Gov.Doc.
Ont
L

Ontario Legislative Assembly

SESSIONAL PAPERS

VOL. LXXII.—PART IV

FIFTH SESSION

OF THE

TWENTIETH LEGISLATURE

OF THE

PROVINCE OF ONTARIO

SESSION 1940

393476
12.6.47

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1941

CONTENTS
FOR PART IV

REPORTS

DEPARTMENT OF HEALTH
HOSPITALS FOR MENTALLY ILL, ETC.
HOSPITALS AND SANITORIA
PRISONS AND REFORMATORIES
MINISTER OF PUBLIC WELFARE
LIQUOR CONTROL BOARD
MINISTER OF AGRICULTURE
AGRICULTURE (STATISTICS)
T. AND N. O. RAILWAY
ONTARIO MUNICIPAL BOARD

DEPARTMENT OF HEALTH

Fifteenth Annual Report

OF THE

Department of Health

Ontario, Canada

FOR THE YEAR
1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 14, 1940

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1940

To The Honourable Albert Matthews, LL.D.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

I herewith beg to present for your consideration the Fifteenth Annual Report of the Department of Health, for the year 1939.

Respectfully submitted,

Harold J. Kirby,
Minister of Health.

TO THE HONOURABLE HAROLD J. KIRBY, K.C.,
Minister of Health.

Sir,—I have the honour to submit for your approval the Fifteenth Annual Report of the Department of Health, made in conformity with and under the provisions of The Public Health Act, for the year 1939.

I have the honour to be, Sir,

Your obedient servant,

B. T. MCGHIE,
Deputy Minister of Health.

CONTENTS

PAGE
Resume of the Transactions for the Year 1939 9
Public Health Administration 10
Report of the Eastern Ontario Health Unit 13
Report of the Solicitor 36
  Legislation Passed During 1939 36
Report of the Division of Medical Statistics 52
Report of the Librarian 68
Report of the Division of Epidemiology 71
  Prevalence of Disease 71
  Distribution of Biological Products and Insulin 95
Report of the Division of Venereal Disease Control 103
Report of the Division of Tuberculosis Prevention 107
Report of the Division of Maternal and Child Hygiene and Public Health Nursing 138
  Report of the Chief Public Health Nurse 141
Report of the Division of Sanitary Engineering 143
Report of the Division of Nurse Registration 153
Report of the Division of Dental Services 156
Report of Health Education 157
Report of the Division of Laboratories 167
  Report of Provincial Pathologist 172
  Report from Branch Laboratories at Fort William, Kingston, London, North Bay, Ottawa, Peterborough and Sault Ste. Marie 174
Report of the Division of Industrial Hygiene 180
  Report of Chief Sanitary Inspector 185
  Statistical Report on Cancer for Year 1939 191

DEPARTMENT OF HEALTH

Minister

HONOURABLE HAROLD J. KIRBY, K.C.

Deputy Minister

B. T. McGHIE, M.D.

Chief Medical Officer of Health

JOHN T. PHAIR, M.B., D.P.H.

Solicitor

K. G. Gray, M.D., K.C.	Solicitor to the Department

Division of Medical Statistics

A. Hardisty Sellers, B.A., M.D., D.P.H.	Director

Division of Epidemiology

H. A. Ansley, M.B., D.P.H.	Director
R. P. Hardman, M.D., D.P.H.	Epidemiologist

Division of Venereal Disease Control

A. L. McKay, B.A., M.B., D.P.H.	Director

Division of Tuberculosis Prevention

G. C. Brink, M.B.	Director
K. M. Shorey, M.D.	Clinical Specialist
J. S. Hazen, M.D.	Clinical Specialist
F. W. Milner, M.D.	North-Western Ontario Clinic, Fort William
G. G. Brearley, M.D.	Mid-Eastern Ontario Clinic, Belleville
D. McCallum, M.B.	Eastern Ontario Clinic, Ottawa
G. M. Lane, M.D.	Northern Ontario Clinic, Timmins
H. H. Washburn, M.D.	Mid-Northern Ontario Clinic, North Bay
C. A. Wicks, M.D.	Inspector of Sanatoria

Division of Child Hygiene and Public Health Nursing

John T. Phair, M.B., D.P.H.	Director
Edna L. Moore, Reg. N.	Chief Public Health Nurse
Miss N. E. Howey Reg. N.	Supervisor, Public Health Nursing
Miss H. G. Pennock, Reg. N.	Supervisor, Public Health Nursing
Miss E. M. Squires, Reg. N.	Supervisor, Public Health Nursing
Miss B. E. Johnson, Reg. N.	Supervisor, Public Health Nursing
Miss M. V. Lowry, Reg. N.,	Supervisor of Nursing Eastern Ontario Health Unit, Alexandria
Miss Rose Hally, Reg. N.	Public Health Nurse
Miss Ora H. Lefler, Reg. N.	Public Health Nurse
Miss M. H. Lunn, Reg. N.	Public Health Nurse
Miss K. E. Osborne, Reg. N.	Public Health Nurse
Miss E. R. Wheler, Reg. N.	Public Health Nurse

Miss Henedine Bechard, Reg. N.	Public Health Nurse
Miss Ola M. Dancause, Reg. N.	Public Health Nurse
Miss M. A. Rutherford, Reg. N.	Public Health Nurse
Miss H. E. Smith, Reg. N.	Public Health Nurse
Miss L. W. Vrooman, Reg. N.	Public Health Nurse

Division of Sanitary Engineering

A. E. Berry, M.A.Sc., C.E., Ph.D.	Director
A. V. Delaporte, B.A.Sc., Chem. E., F.C.I.C.	Chemist in Charge of Experiental Station
O. V. Ball, B.A.Sc.	Assistant Sanitary Engineer
G. A. H. Burn, B.A.Sc.	Assistant Sanitary Engineer
E. W. Johnston, B.A.Sc.	Assistant Sanitary Engineer
A. T. Byram, B.A.Sc.	Assistant Sanitary Engineer
G. M. Galimbert, B.A.Sc.	Assistant Sanitary Engineer
W. R. Edmonds, M.A.Sc.	Assistant Sanitary Engineer
L. A. Kay, M.A.Sc.	Assistant Sanitary Engineer
J. G. Duncan, B.A.Sc.	Assistant Chemist
H. G. Tyler, A.R.San.I., C.S.I. (C)	Sanitary Investigator

Division of Industrial Hygiene

J. G. Cunningham, B.A., M.B., D.P.H.	Director
A. R. Riddell, B.A., M.B., D.P.H.	Clinical Specialist
F. M. R. Bulmer, M.B., B.Sc., Med.	Special Research
H. E. Rothwell, B.A.Sc., F.C.I.C.	Chemist
C. M. Jephcott, M.A., Ph.D.	Assistant Chemist
L. B. Leppard, M.A., Ph.D.	Physicist
E. O. Braaten, M.A., Ph.D.	Physicist
D. S. McKee, C.S.I. (C)	Chief Sanitary Inspector
J. Richardson, Sanitary Inspector	North Bay
John Sime, A.R. San. I.	Fort William
R. B. McCauley, Sanitary Inspector	Sault Ste. Marie
Hugh McIntyre, A.R. San. I.	Kirkland Lake
A. S. O'Hara, M.R. San. I., C.S.I. (C), A.M.I.S.E., enlisted	Kenora
David E. Moore	Kenora
Sydney Harris, Sanitary Inspector, C.S.I. (C), enlisted	Geraldton
George Hunter Powell, C.S.I. (C)	Geraldton
William L. Smith, enlisted	Bedding Inspector
John Sydney Pye	Bedding Inspector
Hunter Bishop	Technician

Division of Laboratories

Andrew MacNabb, V.S., B.V.Sc.	Director
Wallace McClure, M.B., D.P.H.	Bacteriologist
A. R. Bonham, B.A.Sc., F.C.I.C.	Provincial Analyst
Stuart F. Penny, M.D.	Pathologist
J. W. Bell, M.B.	Assistant Bacteriologist
Doris Howell, M.A., M.D.	Junior Physician
J. E. Fasken, B.A.Sc.	Assistant Analyst

Branch Laboratories:

A. J. Slack, Ph.C., M.D., D.P.H., Director	London
James Miller, M.D., D.Sc., F.R.C.P. (E), F.R.C.P. (Can.), F.R.S.C., Director	Kingston
A. E. Allin, M.B., D.P.H., Director	Fort William
N. F. W. Graham, B.A., M.D., Director	Sault Ste. Marie
A. D. McClure, B.A., Director	North Bay
C. B. Waite, M.B., Director	Peterborough
F. L. Letts, M.B., D.P.H., Director	Ottawa

Division of Dental Services

F. A. Kohli, D.D.S.	Director

Division of Nurse Registration

A. M. Munn, Reg. N.	Director
E. R. Dick, Reg. N.	Inspector of Training Schools for Nurses

Health Education

Mary Power, B.A.	Director

Library

Fredrita Henley Wright	Librarian

Honourary Consultants

Public Health Administration	J. G. Fitzgerald, M.D., F.R.S.C.
Pediatrics	Alan Brown, B.A., M.B.
Dental Services	Harold Keith Box, D.D.S.
Pathology	James Miller, M.D., D.Sc., F.R.C.P. (E), F.R.C.P. (Can.), F.R.S.C.
Public Health Nursing	Miss Elizabeth Smellie, C.B.E., Reg. N.

ANNUAL REPORT

of the

Department of Health

For the Calendar Year Ending December 31st, 1939

Certain aspects of the departmental programme for the year 1939 warrant special reference.

The present plan of local health administration places a large measure of responsibility on the medical officer of health and other personnel employed. If the community health programme is to function effectively, it is necessary that the staff possess knowledge or experience commensurate with the requirements of their office. These qualifications have now been defined and provision made for their being secured.

Justification of the legislation requiring compulsory pasteurization of milk has already been evidenced by the substantial drop in the reported cases of undulant and typhoid fever and the pronounced decrease in deaths among infants from diarrhoea and enteritis.

Progress has been made in the attempt to ensure more adequate treatment for those suffering from venereal disease. The further decline in the death rate from tuberculosis is tangible evidence of the value of the plan of tuberculosis control made effective two years ago.

The fact that deaths among pregnant women were markedly lower than in any previous year is a cause for satisfaction. It is hoped that it will be possible to maintain this more acceptable level of deaths from this cause until such time as further reductions are possible.

At the outbreak of the war, all of the resources of the department were placed at the disposal of the Federal Government. The services of the department laboratories, of the consultant staff in epidemiology, tuberculosis, venereal disease, sanitary engineering, were made available to the Department of National Defence. Those biologicals manufactured by the department are supplied gratuitously for the immunization of enlisted men from Ontario.

The report of the activities of the various divisions of the department follow in some detail.

PUBLIC HEALTH ADMINISTRATION

JOHN T. PHAIR, M.B., D.P.H., *Chief Medical Officer of Health.*

In 1883 the Provincial Legislature of the day vested in the hands of the municipal authorities, through local boards of health, the responsibility for carrying out such public health measures as were thought to be in the best interests of the community as a whole. The obligations so placed, dealt largely with the control of contagion and the prevention of nuisances. Even today the public interest in health matters is in the main limited to the control of communicable diseases and environmental sanitation. While procedure and practice have materially changed, the machinery for implementing the control measures is identical with that in effect two generations ago.

This type of local administrative set-up, which provided for an appropriate body (the local board of health) responsible to the municipal council; a medical officer of health whose only necessary qualification was that he be a physician in good standing, and one or more sanitary officers whose qualifications were not even implied, has obvious drawbacks. The disadvantages are particularly manifest in suburban and rural communities. The implication that the natural advantages of rural existence offset the disadvantages of living in a congested urban community, is not in keeping with the known facts in the matter of controllable illness or physical defect. It would seem reasonable, therefore, that a community health service based on such an implication should be revised in keeping with the established facts. The ultra-conservative attitude of the public, coupled with an insistent demand for the retention of local autonomy, however, makes it difficult to create any widespread interest in a modification of the present set-up.

In 901 municipalities approximately 700 health officers function, 687 of whom are employed part-time. The remuneration paid ranges from $15.00 to $7,000.00 per annum. In the majority of these communities the medical officer of health takes the responsibilities of his office seriously. In all of the organized municipalities the health officer is aided in the conduct of his duties by one or more sanitary officers. In the majority of instances the sanitary officer devotes only a portion of his time to this work. In 140 of the urban centres and 4 townships, public health nursing is supplied under the auspices of the local board of health. In 154 communities school nursing is carried on under the aegis of the local school board or board of education. In only 14 municipalities is the local health effort directed by a full-time medical health officer.

Changes During the Year.

In 39 municipalities the position of health officer changed hands during the year 1939. In 13 of these, presided over by 11 medical officers, the change was due to the death of the former incumbent of the office: Doctors F. Munroe, O. E. Carr, A. D. Graham, H. J. Walker, C. H. Carruthers, H. E. Johnson, D. C. McKenzie, H. H. Casselman, G. C. Ferrier, H. E. Ferguson and H. Hay.

Temporary retirement from the office in 15 additional municipalities followed enlistment in Overseas Forces by the following 11 medical officers: Doctors W. R. Crowe, W. H. Pedley, G. L. Bell, R. E. Smart, J. B. Willoughby, G. M. Fraser, G. Allison, G. E. McCartney, K. B. Waller, L. M. Stuart and C. V. Mulligan.

In the remaining 11 municipalities the medical officer retired from office.

An effort was made during the year to aid the newly appointed health officers by encouraging them to take advantage of the consultant service available at central office, and by a discussion of their problems at a special session of the Annual Conference of the Ontario Health Officers' Association.

Pursuant to the authority granted by Section 37 of The Public Health Act, regulations setting out the qualifications of all public health personnel were made effective in the latter part of the year. These requirements are such that a reasonable measure of experience or special training in public health administration is assured all communities irrespective of their size or population.

The School of Hygiene of the University of Toronto has by arrangement with the department set up short courses of instruction for all those required by the regulations to secure such training. The first of these will be held early in the new year.

Provision is made each year whereby the medical officer presents in appropriate fashion an annual summary of the community health programme. Suitable forms for this purpose are supplied to all health officers. The purpose of this report is twofold—first, to acquaint the local authorities, and through them, the public at large, as to the health problems presenting and the methods adopted in their attempted solution; and, secondly, to inform the provincial department of the scope of the community programme. Having in mind these objectives, significant changes were made in this year's annual report. It is further hoped that these changes will result in a better appreciation on the part of the local health staff in certain communities of the implications of their office.

As previously implied, public concern still centres largely around the prevention of communicable illness. One of the primary requisites to such prevention is prompt reporting of all cases of such diseases. A serious effort has been made this year to secure more adequate reporting. The Ontario Medical Association has lent its support to this movement.

The department continues to make available certain consultative services which are offered to all municipalities and on occasion imposed on some. These services include:—advice as to local administration; direction in methods and procedures; direct aid in the control of local outbreaks of disease; and in the correction of sanitary problems. Though many field trips are made during the year by the department staff, the contact with the local worker is not as intimate as is desirable under the present type of community health set-up.

There is every evidence of local appreciation of the department's effort to more adequately serve the extreme north-western section of the Province. Dr. Mosley reports briefly as follows:

The territory covered is comprised of the Districts of Thunder Bay, Kenora and Rainy River.

The time of the staff is devoted largely to sanitary investigations or visits to centres where there is an increased incidence of communicable disease. This latter part of the work involved investigations of an outbreak of dysentery at Red Lake, in June; chickenpox in Mabella, in February and March; whooping cough in Cameron Falls, in February and March. This community is relatively isolated and an opportunity was presented for observation on the effectiveness of whooping cough vaccine. A report was submitted to the department on these observations. Seven visits were made to this community.

Four cases of typhoid fever apparently had their source from a carrier in Kenora. With the Medical Officer of Health these cases were investigated. Appropriate measures were taken to ensure that no further cases developed from this source. Three cases of typhoid fever among the residents at Ombabika were reported in December. An immediate investigation was made and studies are still in progress.

Sporadic cases of poliomyelitis, totalling eleven in number, have been reported from September to December. These cases occurred in scattered areas of the Districts of Kenora and Rainy River, chiefly around Dryden, Sioux Lookout and adjacent rural areas. Visits were made to establish diagnosis in those cases resident in unorganized territory and supervision of isolation and quarantine was maintained.

In addition to the above cases of communicable illness, individual cases from widely scattered areas were investigated when reported. Some twenty visits were made for this purpose. All reported suspect cases not seen by a physician were investigated in order to establish a diagnosis and effect the necessary measures under the regulations.

Sanitation.

Whenever requested, or when it seemed to be indicated, this office collaborated with the Medical Officers of Health and the district Sanitary Inspectors in matters pertaining to sanitation. Problems relating to water supplies, sewage disposal, restaurant sanitation, refreshment booths, and so forth, were discussed. Copies of all reports on milk and water samples submitted to the Provincial Laboratory were studied and action taken where required.

Other activities of a somewhat diverse nature were carried on during the year, including investigations made and reports submitted to the Division of Industrial Hygiene in respect to reported illnesses associated with occupation; and assistance to the Chest Clinic at Sioux Lookout and Kenora.

The candidates for Veteran Guards under the Provincial Police in this area were examined in company with a physician from the Division of Tuberculosis Prevention. Some one hundred and twenty-three such candidates and seven special constables were physically examined.

Discussions of problems relating to public health were held with the Medical Officers of Health of the organized municipalities. Many of the Medical Officers of Health were contacted personally during the year.

I would like to express my appreciation for the excellent co-operation received from the Medical Officers of Health, the medical profession and those associated with the various semi-official and voluntary agencies interested in public health work. The assistance and co-operation of all the officers of the department is also much appreciated.

EASTERN ONTARIO HEALTH UNIT

Comprising the Counties of Stormont, Glengarry, Prescott and Russell.

Medical Director: Murray G. Thomson, M.D., D.P.H.
Supervisor of Nursing: Muriel V. Lowry, Reg. N.
Sanitary Inspector: G. A. H. Burn, B.A.Sc.

The Eastern Ontario Health Unit in 1939 followed closely the programme of the preceding years. The control of tuberculosis was given first place on this programme and the number of admissions to sanatoria from all counties during the past year has been most satisfactory. X-ray examinations increased from 1,410 in 1938 to 1,760 in 1939. 152 new cases were found. The number of active cases at home was reduced from 77 to 55.

From preliminary figures, it would appear that the infant mortality rate for 1939 will be a record low and about 30 per cent. less than the 1931-1934 average.

An effort was made to reach the schools more frequently and 401, or 68 per cent. of the class rooms, received visits of inspection from the nursing staff. Over 10,000 children were given special physical inspection. It is difficult to evaluate the results of school work, but a considerable decrease was noted in the percentage of children who had to be referred to a doctor for correction of defects.

There were no serious epidemics of communicable disease. During November and December, there was a large number of cases of chickenpox and there was also a considerable amount of influenza and pneumonia during the winter months. Only five cases of diphtheria were reported with no deaths. The percentage of school-age children immunized has been maintained and the percentage of preschool children protected increased.

Gratifying results have been obtained by our sanitary engineer in his effort to improve the quality of milk supplied to consumers. The logarithmic average of the plate counts for pasteurized milk has been reduced from 34,000 in 1937 and 13,400 in 1938 to 5,200 for 1939.

In all tables and graphs which follow in this report, figures for the County of Stormont do not include the Town of Cornwall.

Communicable Diseases.

Table I lists the number of cases and deaths reported to the Health Unit during the year. The deaths from whooping cough and chickenpox were confined to children under 2 months of age.

TABLE I

COMMUNICABLE DISEASES

1939

	No. of Cases	No. of Deaths
Chickenpox	68	1
Diphtheria	5	0
Gonorrhea	14	0
Measles	440	0
Mumps	2	0
Paratyphoid Fever	6	1
Poliomyelitis	3	0
Scarlet Fever	64	0
Syphilis	7	0
Typhoid Fever	3	1
Whooping Cough	20	2

Immunization.

As in past years, members of the nursing staff have assisted the local medical officers of health in carrying out diphtheria toxoid and smallpox vaccination campaigns. Toxoid clinics were held in 12 municipalities and vaccination clinics in 7 municipalities. A scarlet fever immunization clinic was held at Finch Village. That the diphtheria toxoid clinics have been well worth-while is illustrated in the vital statistics reports which show that, prior to the administration of toxoid, there were from 10 to 25 deaths from diphtheria each year. There has not been a single death from diphtheria in the Unit area for over two years.

Table II gives, by county, the number of children immunized at clinics during 1939. These figures do not include any immunization work done by physicians in private practice. From observations made by the nursing staff, a greater number of parents are taking their children to their family physicians to receive immunization treatments.

TABLE II

IMMUNIZATION AT CLINICS BY COUNTIES DURING 1939

	Diphtheria		Smallpox	
County	5 years and over	Under 5 years	5 years and over	Under 5 years
Glengarry	0	0	0	0
Prescott	258	243	428	82
Russell	248	99	81	58
Stormont	414	315	17	11
Health Unit	920	657	526	151

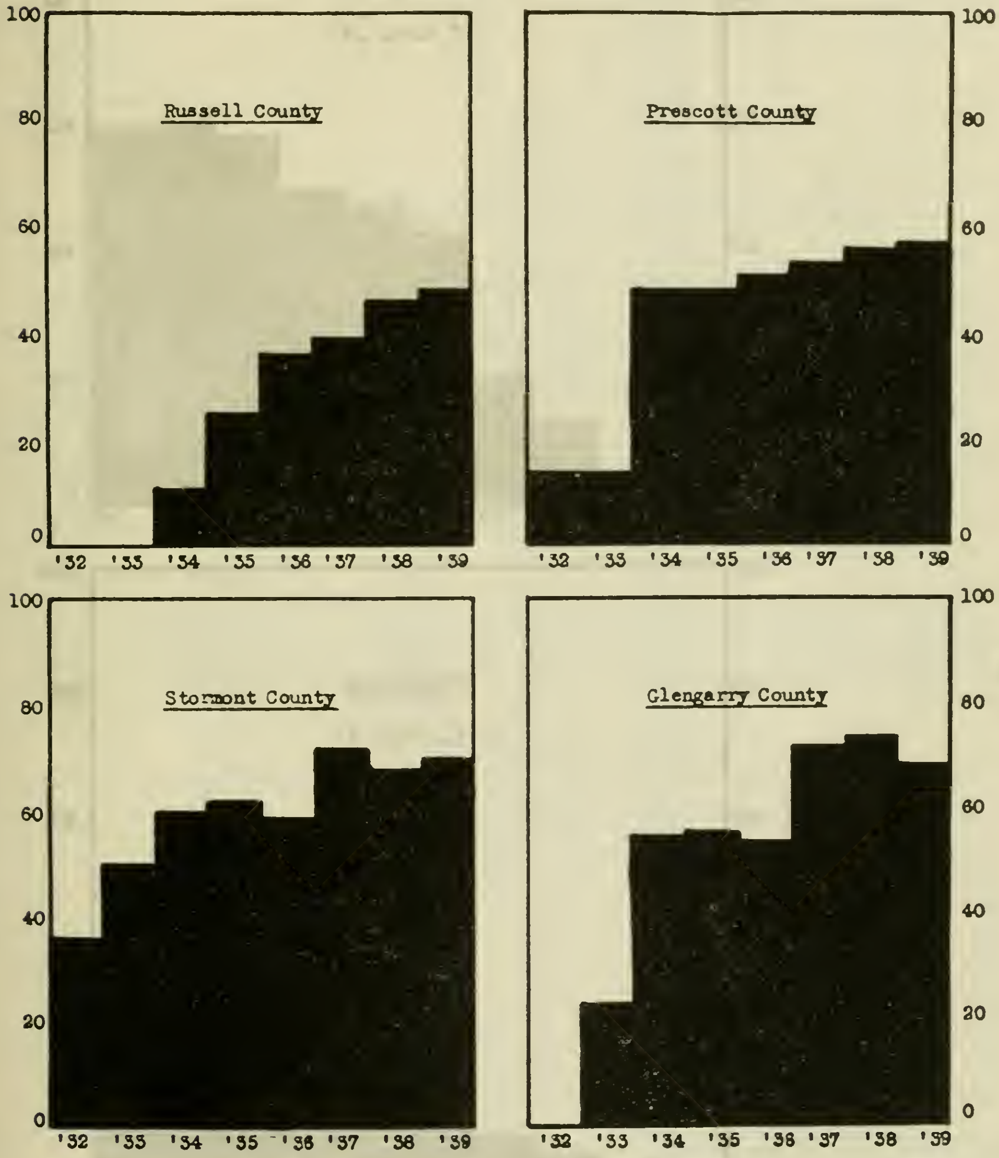
Table III shows by counties the percentage of school-age children (5-14 years) and preschool children (1-4 years) protected against diphtheria and smallpox as of December 31st, 1939.

GRAPH I.

DIPHTHERIA TOXOID IMMUNIZATION—EASTERN ONTARIO HEALTH UNIT

School Age Children (5–14 Years).

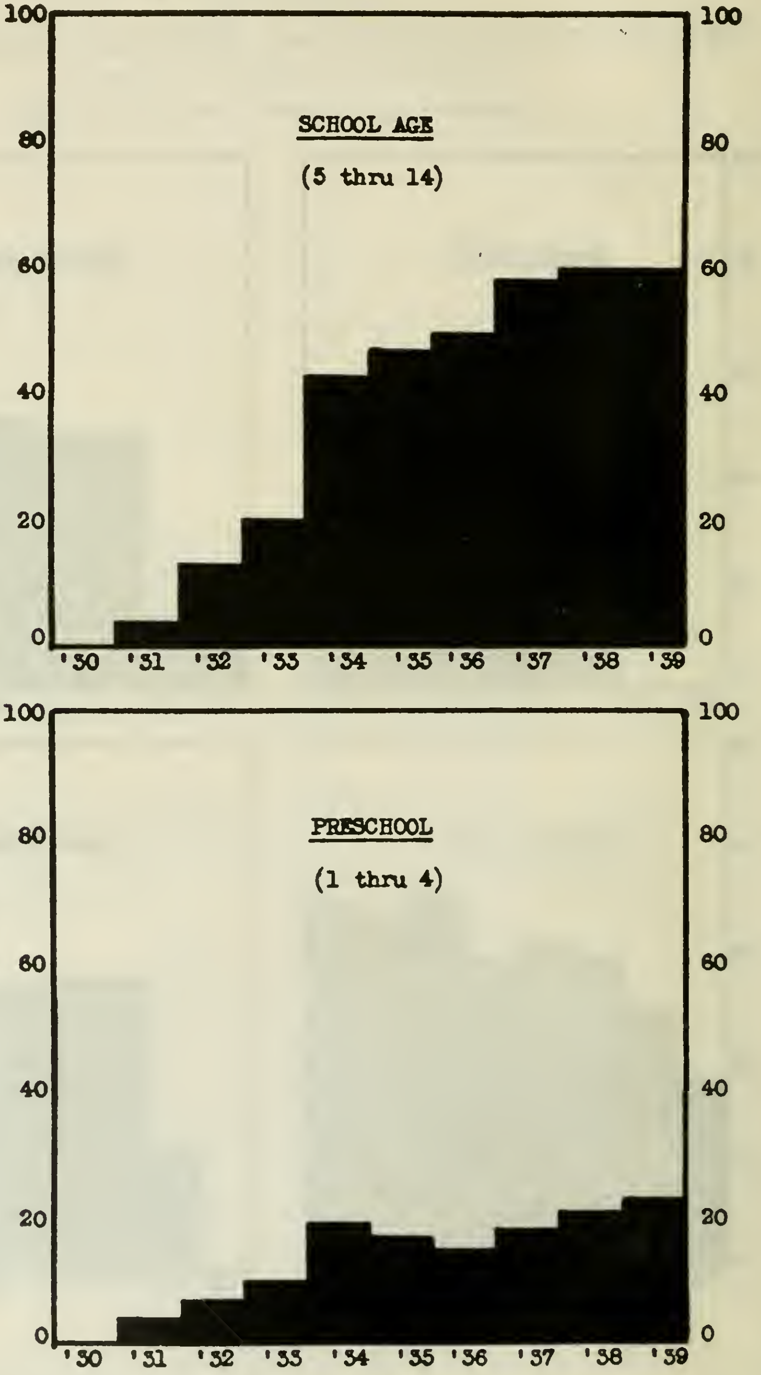
Percentage Immunized by County and by Year.



GRAPH II.

DIPHTHERIA TOXOID IMMUNIZATION—EASTERN ONTARIO HEALTH UNIT

Percentage Immunized



DEATHS FROM DIPHTHERIA (All Ages) - 16 11 3 2 2 1 4 1 0 0

TABLE III

PERCENTAGE OF CHILDREN IMMUNIZED AGAINST DIPHTHERIA AND SMALLPOX

DECEMBER 31st, 1939

County	Diphtheria % School (5-14)	Diphtheria % Preschool (1-4)	Smallpox % School (5-14)	Smallpox % Preschool (1-4)
Glengarry	69	18	50	10
Prescott	57	27	57	9
Russell	48	17	31	12
Stormont	70	28	52	5
HEALTH UNIT	60	23	49	9

Twenty thousand (20,000) children in the four counties comprising the Health Unit have been protected by toxoid from diphtheria at clinics.

Only those children who have received the full three doses of toxoid are considered as immunized against diphtheria. With the exception of three municipalities in which vaccination is a requirement for school attendance, no attempt has been made to estimate the amount of immunization work done by private physicians. Were this work included, the percentage rates would undoubtedly be several points higher. Another factor which has prevented the percentage immunized being raised is that there is still one municipality which has not yet had a diphtheria toxoid campaign; a second not since 1933; and a third not since 1934. In almost all the other 25 municipalities, it is now a policy to hold a toxoid campaign at least every three years. In several municipalities, over 80 per cent. of the school-age children are protected.

Control of Tuberculosis.

During the year, 42 deaths were reported, a rate of 47 per 100,000 population. Of these 19 (45 per cent.) were in the age group 15-25 years. There is considerable variation in the mortality rates from year to year, but it will be noted from Table IV and Graph III that the trend of these rates is definitely downward.

TABLE IV

TUBERCULOSIS MORTALITY RATES—COUNTIES OF EASTERN ONTARIO HEALTH UNIT

Deaths per 100,000 Population

Year	Glengarry	Stormont	Prescott	Russell	All Health Unit
1931	102	79	61	65	76
1932	90	37	80	91	74
1933	84	50	51	89	66
1934	52	37	47	41	45
1935	102	60	54	57	67
1936	66	27	85	52	60
1937	55	67	35	36	49
1938	94	45	67	45	59
1939	60	54	72	15	47

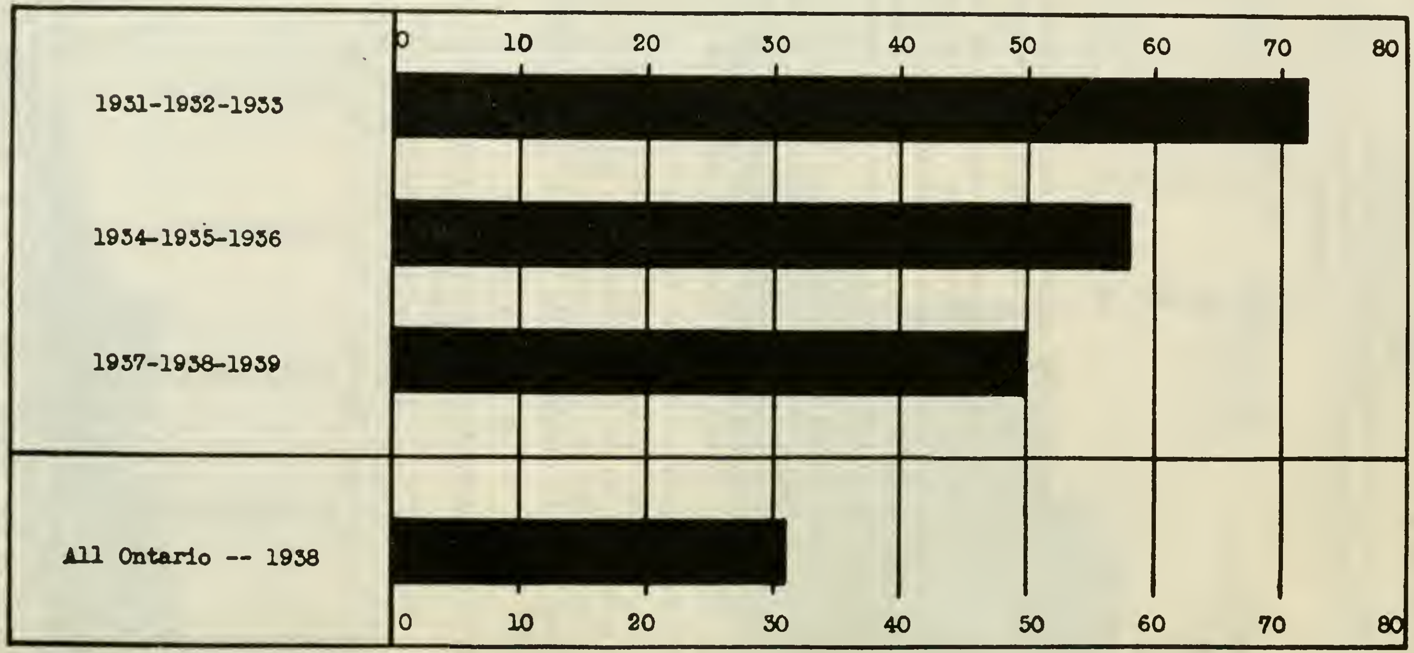
Sanatorium Care.

The St. Lawrence Sanatorium was erected in 1937 by the United Counties of Stormont, Dundas and Glengarry, for the treatment of the residents of these Counties. It has been filled to capacity throughout the year. During 1939, 28 residents of the Health Unit area were discharged, and 50 new patients were admitted for treatment.

GRAPH III.

TUBERCULOSIS MORTALITY RATES—EASTERN ONTARIO HEALTH UNIT

Deaths Per 100,000 Population



The number of patients from Prescott and Russell admitted to sanatoria has continued to increase. At the end of 1936, only 17 patients were receiving such care; on December 31st, 1939, 51 patients were under treatment in sanatoria. During the single year 1939, 25 patients from these Counties journeyed to hospitals situated 300 miles or more from their homes. The improvement has been influenced largely by the recent legislation whereby the cost of maintenance of indigent patients is assumed by the Province. An equally important factor has been the changed attitude of the people of Prescott and Russell with respect to the value of sanatorium treatment for tuberculosis. For this change in public opinion a large share of the credit is due to the untiring efforts of the nursing staff of the Health Unit.

Chest Clinics.

In Prescott and Russell Counties, Chest Clinics are conducted by Dr. D. McCallum, of the Division of Tuberculosis Prevention. Dr. G. W. Cragg, Medical Superintendent of the St. Lawrence Sanatorium, conducts those in Glengarry and Stormont Counties. In Prescott and Russell, clinics were held at: Casselman (4 days), Plantagenet (8 days), Hawkesbury (9½ days), Rockland (6 days), and Bourget (2 days). In Glengarry and Stormont, clinics were conducted at: Alexandria (7 days), Lancaster (2 days), Finch (2 days), Avonmore (2 days), Maxville (2 days), and Cornwall (10 days). In addition, examinations were made on appointment at both the St. Lawrence Sanatorium and at the headquarters of the Travelling Chest Clinics at Ottawa. In all, 973 patients from Prescott and Russell, and 787 from Stormont and Glengarry were examined. As in past years, the nursing staff arranged all appointments for examinations; were responsible for nursing service at all clinics; and carried out the follow-up programme in the homes.

Table V shows the number of known contacts and the number who have received examinations, as recommended. The percentage of examinations continues to rise slowly. Undoubtedly they would be considerably higher if facilities for examination could be increased. However, each chest clinic is filled to capacity. In giving appointments it is necessary to make careful selection.

TABLE V

EXAMINATION OF CONTACTS OF CASES OF TUBERCULOSIS

Nursing District	Total Known Contacts		Contacts Examined	
	25 years and under	26 years and over	25 years and under	26 years and over
Alexandria	165	122	107	49
Lancaster	163	135	64	26
Hawkesbury	267	143	149	58
Plantagenet	231	118	119	61
Casselman	120	36	54	13
Rockland	146	93	84	39
Cornwall	243	112	139	54
Finch	84	33	49	14
Totals, Dec., 1939	1,419	792	765	314
Per cent. with examinations up to date, Dec., 1939			54%	40%
Per cent. with examinations up to date, Dec., 1938			49%	39%

Table VI is a summary of such information as to new cases, deaths, removals, admissions and discharges from sanatoria, etc.

Table VII records by counties the number of cases at home by stage of disease and by activity, and the number of cases in sanatoria for the years 1936, 1938 and 1939.

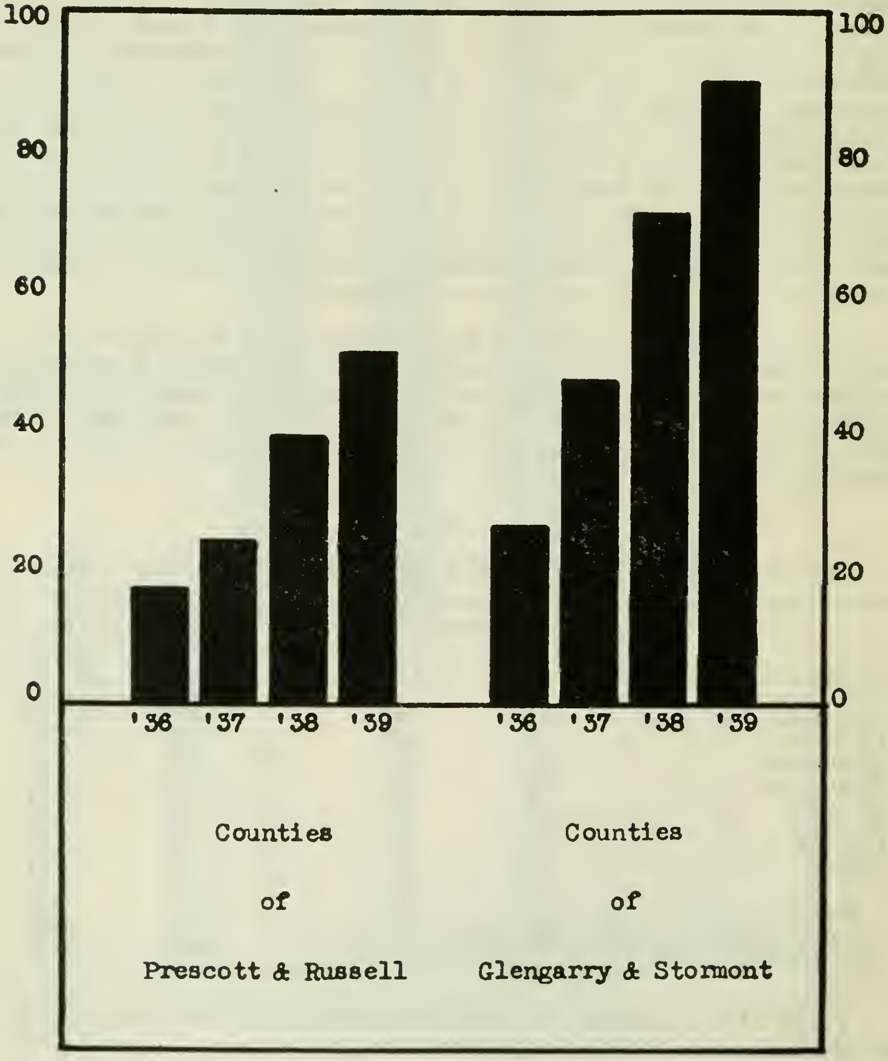
Table VIII is a summary of all cases of tuberculosis residing at home by stage of disease and activity at the end of the years 1936, 1938 and 1939.

Graph IV illustrates the number of cases in sanatoria receiving treatment at the end of the years 1936, 1937, 1938 and 1939 for (a) Prescott and Russell; and (b) for Stormont and Glengarry.

GRAPH IV.

NUMBER OF PATIENTS IN SANATORIA RECEIVING TREATMENT

At End of Each Year



From these tables it will be noted that:

(1) New cases found this year totalled 152, as compared with 184 in 1938; chest examinations increased from 1,401 in 1938 to 1,760 in 1939.

(2) 102 patients were admitted to sanatoria. Of these, 62 were from Glengarry and Stormont; and 40 from Prescott and Russell. Of the latter group, 25 went to sanatoria in Western Ontario.

(3) Active cases of tuberculosis under treatment at home decreased from 77 to 55. The decrease was most apparent in the "Minimal Active" group (Table VIII). There are, however, at least 30 active cases who refuse to avail themselves of sanatorium facilities for treatment. Most of these are in the "moderately advanced" or "advanced" stage and several are known to have positive sputum. The nursing staff have made a great many visits to these homes in an endeavour to effect a change in attitude and to minimize the possibility of the disease spreading to other members of the family.

(4) Of the 55 active cases still residing at home, 32 are from Stormont and Glengarry Counties; and 23 from Prescott and Russell Counties. (Table VII).

TABLE VI

SUMMARY OF TUBERCULOSIS CASES

DECEMBER 31st, 1939

	Glengarry	Stormont	Prescott	Russell	Total for 1939	Total for 1938
Cases at Home, Jan. 1, 1939	116	44	116	59	335	282
New cases found during year	40	63*	29	20	152	184
Returned home from sanatoria	16	11	10	8	45	36
Moved into district	3	2	2	3	10	9
Died at home of tuberculosis	9	2	6	2	19	36
Died—other cause	0	0	0	1	1	0
Moved from district	4	8	12	1	25	22
Diagnosis reversed	10	6	5	3	24	18
Admitted to sanatoria	32	30	23	17	102	100
Cases at Home, Dec. 31, 1939	120	74	111	66	371	335
In Sanatoria, Jan. 1, 1939	39	32	30	9	110	71
Admitted to sanatoria this year	32	30	23	17	102	100
New case to district by change of address of family	0	1	0	0	1	4
Discharged from sanatoria	16	11	10	8	45	36
Died in sanatoria	3	10	9	1	23	24
Discharged — family moved from Health Unit area	0	3	0	0	3	1
Discharged — family moved to another county in Unit	0	1	0	0	1	4
Cases in Sanatoria, Dec. 31, 1939	52	38	34	17	141	110
Total Cases—at home and in sanatoria	172	112	145	83	512	445

*Previous to 1937 (the opening of the St. Lawrence Sanatorium), only a small percentage of contacts or suspects resident in Stormont County had an opportunity for a free examination.

TABLE VII

KNOWN TUBERCULOSIS CASES—EASTERN ONTARIO HEALTH UNIT—DECEMBER 31st, 1936, 1938 and 1939

County	Year	Grand Total	Stage of Disease (Cases at Home)						Activity (Cases at Home)				In Sanatoria
			Min.	Mod. Adv.	Adv.	Child-hood	Other	Undeter-mined	Act.	Quiesc.	Arr.	Undeter-mined	
Glengarry	1936	109	37	20	15	3	5	10	20	21	41	8	19
	1938	155	54	30	12	9	5	6	19	30	57	10	39
	1939	172	42	44	13	11	6	4	13	29	61	17	52
Stormont	1936	29	7	5	3	4	0	3	7	6	5	4	7
	1938	76	27	7	1	7	0	2	12	11	20	1	32
	1939	112	32	26	4	6	6	0	19	19	33	3	38
Prescott	1936	116	51	28	11	1	6	9	37	30	27	12	10
	1938	146	57	34	9	4	6	6	29	41	36	10	30
	1939	145	52	37	9	5	7	1	15	43	45	8	34
Russell	1936	49	21	10	4	2	3	2	19	8	11	4	7
	1938	68	32	14	6	3	2	2	17	18	17	7	9
	1939	83	37	17	5	5	1	1	8	27	27	4	17
Total	1936	303	116	63	33	10	14	24	83	65	84	28	43
	1938	445	170	85	28	23	13	16	77	100	130	28	110
	1939	512	163	124	31	27	20	6	55	118	166	32	141

TABLE VIII

SUMMARY OF TUBERCULOSIS CASES RESIDING AT HOME

By Stage of Disease and Activity

1936—1938—1939

STAGE OF DISEASE	YEAR	ACTIVITY				TOTAL
		Active	Quiescent	Arrested	Undetermined	
Minimal	1936	30	38	47	1	116
	1938	26	56	85	3	170
	1939	5	56	93	9	163
Moderately Advanced	1936	25	18	20	0	63
	1938	20	33	26	6	85
	1939	25	47	41	11	124
Far Advanced	1936	22	8	3	0	33
	1938	20	4	4	0	28
	1939	18	5	6	2	31
Childhood	1936	0	1	8	1	10
	1938	4	4	12	3	23
	1939	3	7	16	1	27
Other Forms	1936	3	0	5	6	14
	1938	2	3	3	5	13
	1939	3	3	10	4	20
Undetermined	1936	3	0	1	20	24
	1938	5	0	0	11	16
	1939	1	0	0	5	6
TOTAL	1936	83	65	84	28	260
	1938	77	100	130	28	335
	1939	55	118	166	32	371

Tuberculosis in Prescott and Russell.

In our annual report each year, we have recommended that sanatorium facilities be provided by the Counties' Council for their residents. During the past year, the Council considered a proposal that they contribute to the construction of an addition to the Royal Ottawa Sanatorium. Negotiations were, however, discontinued with the outbreak of the war.

From Table VII, it will be noted that there has been a distinct decrease in the number of "active" cases at home. In 1936, there were 55; in 1938, 46; at the present time, only 23. Of this group, all are well known to the Unit staff. Four were diagnosed for the first time this year; remaining 19 are chronics who have been on our lists from 1 to 5 years.

Of the 49 new cases found in Prescott and Russell this year, 30 were active. Of these, 4 are under treatment at home. The remaining 26 have either been admitted to sanatorium, or have shown improvement upon re-examination, or have died.

Infant and Child Hygiene.

Although reports for 1939 are not yet complete, preliminary returns indicate that the infant mortality rate for the Health Unit area will be about 68 per 1,000 live births, and will be the lowest rate ever recorded for this district.

In the five-year period in which the Unit has been operating, the average infant mortality rate has been 75. This compares with an average rate of 98.3 in the period 1931-1934.

TABLE IX

INFANT MORTALITY RATES—EASTERN ONTARIO HEALTH UNIT

Deaths of Children under 1 year of age per 1,000 Live Births

YEAR	GLENGARRY	PRESCOTT	RUSSELL	STORMONT	ALL UNIT
1931	109	81	110	107	99
1932	94	97	110	83	97
1933	85	110	119	72	99
1934	73	119	107	79	98
1935	46	97	79	78	80
1936	40	87	85	50	70
1937	100	120	90	56	94
1938	45	100	80	53	73
1939	45	80	80	60	68

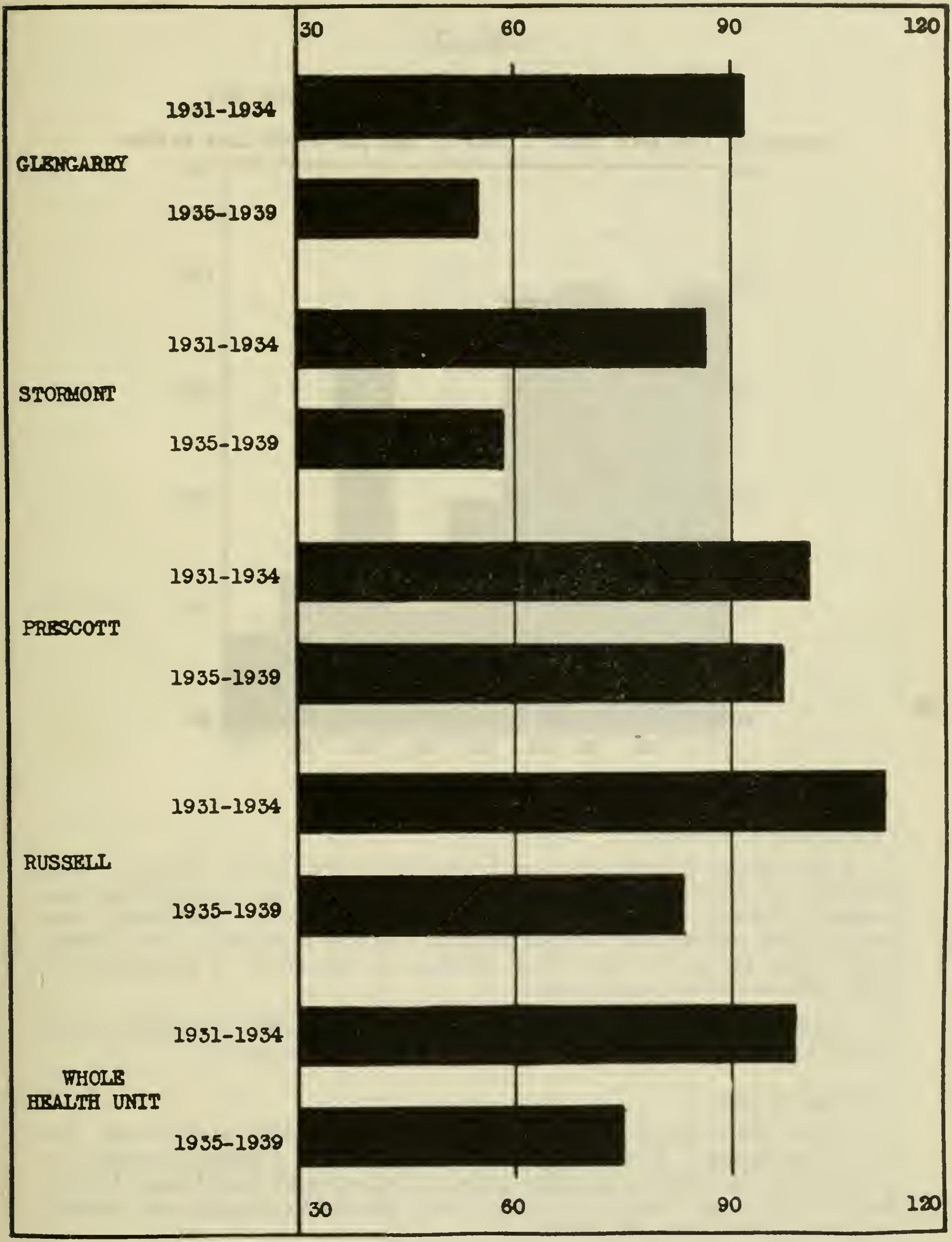
In Table IX, the infant mortality rates for the Counties and for the Unit as a whole are given for each year, 1931-1939. Figures to the end of the year 1938 in this table and the charts following are those of the Registrar-General. The rates for 1939 are based upon deaths reported to the end of November, and estimated deaths for the remainder of the year.

Graph V illustrates that in Glengarry, Stormont and Russell Counties, definite progress has been made in reducing the number of infant deaths. While there has been some improvement, the results of our efforts in Prescott County are not particularly gratifying. Each year there seems to be an unnecessarily large number of deaths attributed to premature birth and to respiratory diseases.

GRAPH V.

EFFECT OF CHILD WELFARE WORK OF HEALTH UNIT ON INFANT MORTALITY RATES

Average Number of Deaths of Infants under 1 Year of Age per 1,000 Births

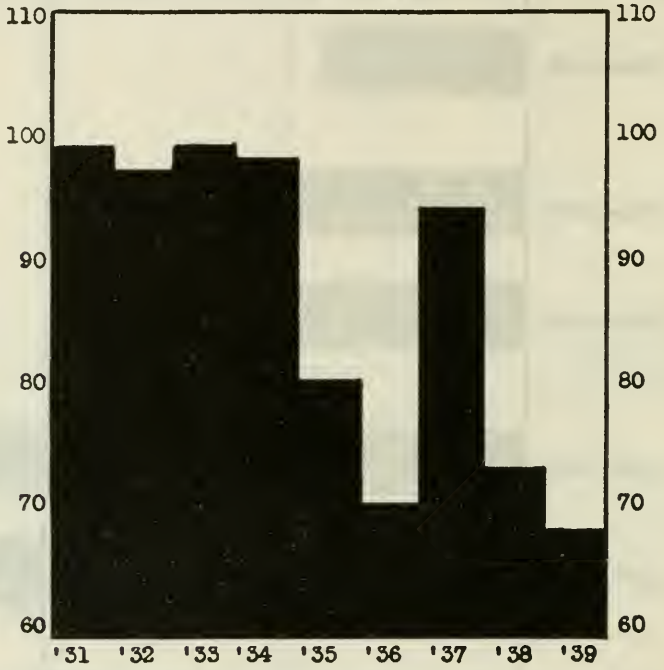


Graph VI gives the infant mortality rates by year for the period 1931-1939. It will be noted in this Graph that, with the exception of the year 1937, when there was a severe epidemic of influenza, the rates for the period 1935-1939 are considerably lower than those for the period 1931-1934.

Graph VI

INFANT MORTALITY - EASTERN ONTARIO HEALTH UNIT

Deaths of Children under 1 year of age per 1,000 Live Births



Child Health Conferences.

Child Health Conferences were conducted in five centres this year. The Embrun and Lancaster conferences were discontinued and a conference was opened at Russell. 286 individual babies (15 per cent. of the total births) were seen at these conferences; 128 (45 per cent. of those registered at the clinics) came before the end of their third month. In this group of supervised infants, only one death was reported.

Table X gives in detail the attendance at the various conferences in the Health Unit during 1939, with figures for 1938 for comparison.

Pre-School Clinics.

Clinics for children about to enter school were held in four centres this year: Plantagenet, Alfred, Wendover and Embrun. Children brought to these Clinics were given a complete physical inspection by the Medical Director of the Unit; and, where defects were found, the child's parents were advised to consult their family physician.

TABLE X

ANALYSIS OF CASES ATTENDING CHILD HEALTH CONFERENCES DURING 1939

Village or Town	Clinics Held	Age on First Visit in 1939				Individuals	Total Visits 1939	Figures for 1938		
		1-3 months	4-6 months	7-12 months	Pre-school			Clinics Held	Individuals	Total Visits
Alexandria	12	32	11	12	23	78	191	12	58	160
Casselman	10	17	9	7	9	42	79	12	30	98
Hawkesbury	19	30	6	11	11	58	172	13	41	141
Plantagenet	12	42	22	8	14	86	179	9	62	129
Russell	5	7	4	6	5	22	42			
Embrun								6	30	59
Lancaster								7	22	48
Total	58	128	52	44	62	286	663	59	243	635

School Health Service.

Activities in the schools followed the same routine as in the past. In Cornwall Township, a 14-room school which in former years had a special arrangement with the Town of Cornwall whereby it received a school health service from the school nurses in the Town, reverted to the Township at the beginning of the year. In addition, a new 10-room school, a new 5-room school and one room in another school were opened during the autumn, making 30 new class-rooms and a total of 91 class-rooms in this nursing district. Obviously, this is beyond the capacity of one nurse to handle, even though she had no activities.

In spite of the heavy load in all nursing districts, 10,065 children received special physical inspections by the nurse; and 9,461 received post-vacation inspections. 1,788 home visits were made to urge correction of defects and to discuss general health practices.

Although figures in the past are not strictly comparable, there is evidence to show that some progress is being made. For instance, in 1938, it appeared necessary to refer to physicians 37 per cent. of children inspected; whereas in 1939, 27 per cent. were referred for examination and necessary correction. The problem of securing correction of defects is still great and will continue probably while economic conditions remain as they are for such a large part of the population.

Table XI is a record of the inspections made by the nurses during the past year.

TABLE XI

		1939	1938
No. of class rooms inspected	401		
No. of pupils receiving S.P.I. or C.R.I	10,414		
No. of children referred to doctor	2,852	27%	37%
No. of children referred to dentist	4,796	46%	48%
No. of children with no apparent defects	4,223	41%	36%
No. of children with defects of teeth only	3,339	32%	27%

Table XII shows the number of major defects; the number of corrections made; and the number of apparent defects that have subsided.

TABLE XII

FINDINGS AT INSPECTION

Apparent Defects	New	Old	Defects Corrected	Apparent Defects Subsided
Vision	405	403	224	159
Hearing	23	41	2	43
Nasal breathing	157	354	79	108
Abnormal tonsils	560	1,019	209	272
Dental	1,918	2,878	820	22
Enlarged thyroid	4	11	4	182
All other	307	392	37	115
Totals	3,374	5,098	1,375	901

Orthopaedic Work.

An orthopaedic clinic was held in Alexandria by Dr. J. Murray, Ottawa, in November under the auspices of the Catholic Women's League. Twenty-two cases were seen. There were five new cases. Two are under treatment, two are to return in a year, and the other has not consented to treatment. Of the 17 repeats, 16 are under treatment and one does not require treatment at present. The above clinic serves Glengarry County. Cases from the other sections of the Health Unit are sent to Ottawa, Toronto and Montreal, through the efforts of the nursing staff in co-operation with family physicians.

Mental Health.

Mental Health Clinics have been held in Alfred, Hawkesbury, Alexandria and Cornwall by Dr. D. G. McKerracher, Clinic Director of the Ontario Hospital staff of Brockville. At the Alexandria Clinic, auxiliary work has been given to a small group of mentally retarded children with good results and it would be interesting to see this service extended.

Health Institute Held at Cornwall.

A Health Institute, sponsored by the Registered Nurses' Association of Ontario with the co-operation of other health agencies, was held in Cornwall for three days during the month of January. Several outstanding speakers were obtained for these meetings and the subjects covered Tuberculosis, Pneumonia, Nutrition, Maternal and Infant Welfare, Social Hygiene, Mental Hygiene and Social Welfare. The Health Unit was given space for an exhibit which consisted of a spot map showing the place of residence of cases of Tuberculosis at home and in sanatoria, and other charts depicting the control of Tuberculosis, Diphtheria and Infant Mortality in the Health Unit area.

Publication of Booklet.

A booklet entitled "What the Unit Has Accomplished—What the Unit Has to Offer" was published. While primarily for the information of the members of the Counties' Councils, over 700 copies were distributed among leading citizens of the entire area. Favourable comments were published in newspapers throughout the district.

NURSING SERVICE

Generalized Service.

The public health nursing service within the Unit is a generalized one; that is, each nurse is responsible for every phase of the public health nursing programme within her district. The initial home visit may be to a prenatal or postpartum case; it may involve the care of infants, preschool or school children; it may be to teach care of a tuberculous patient or assist in arranging for his admission to sanatorium. Whatever the specific problem which brings her to the home may be, once she has entered, every health problem in the home becomes her responsibility. So it is in schools, clinics and conferences. In each function, her aims are the same, to explain and demonstrate what modern medical science has to offer for the promotion of health and prevention of disease.

The area of the Health Unit is approximately 1,800 square miles, the population about 87,000. It is divided into eight nursing districts with one nurse in each. In the Counties of Stormont, Glengarry and Russell, each nursing district covers two townships. In Prescott County, one district has four smaller townships; the other, three townships and the town of Hawkesbury. The population of these nursing districts ranges from 6,500 to 17,000.

Each nurse has the use of a car supplied by the Provincial Department of Health. Getting about in the winter season is very difficult, more often impossible except on Provincial Highways. The nurses travel an average of 7,908 miles approximately per year. Train service is available in only three districts, and in those to only one or two centres.

Home Visiting.

As a guide and goal in home visiting, the following schedule has been attempted:

> Maternity cases, at least once a month; infants, once a month; preschool, once in three months; school, once in six months, or yearly.
>
> Tuberculosis—active cases, once a week; quiescent cases, bi-monthly; arrested and apparently arrested, once in six months or yearly.

In the current year, 7,474 home visits were made: Of these, 892 were to maternity patients; 1,406 to infants under 1 year; and 1,213 to tuberculosis patients. In addition, 1,018 visits were made in relation to clinics, of which a large proportion were for chest clinics. This represents supervision of about 5 per cent. of maternity patients; 15 per cent. of infants; and 85 per cent. of tuberculosis cases.

Schools.

The yearly programme in schools is as follows:

> In the village schools, all children are weighed and measured and their vision tested. Special physical inspection by the nurse is given to all beginners; to those scheduled to leave school during the current school year; and to those with previously noted defects. The children in other grades are seen during class room inspections.
>
> In the schools of four rooms or over, post-vacation inspection is given after the mid-summer, Christmas and Easter vacations, in order to discover symptoms of communicable, skin and other diseases. The children who are sent home as a result of these inspections are visited by the nurse in as many instances as possible.
>
> In all one-room schools visited, special physical inspection is given by the nurse to all children in attendance at the time of the visit.

A larger volume of school work has been accomplished this year which may be attributed in part to a long open autumn season and, in a lesser degree, to an increased demand for the service.

There are 387 schools and 587 class rooms in the area. The smallest number of schools in any one district is 33 with 53 class rooms; the largest, 53 schools with 106 class rooms. Obviously, it is impossible to carry out even this minimum programme in the larger districts. Even in the smaller districts, all schools do not receive a visit strictly within the school year.

Group Teaching.

Classes in Home Hygiene and Care of the Sick were organized in eight centres with 101 sessions being conducted. Upon the outbreak of war, the County of Glengarry established a County Branch of the National Red Cross Society, under whose auspices a number of Home Nursing Groups have been organized by local nurses. Members of the nursing staff met in conference with these nurses regarding technique and procedures. The Health Unit has also been instrumental in providing special speakers for these classes.

As in previous years, members of the staff judged First Aid Competitions at School Fairs in Glengarry and East Stormont Counties. Considerable improvement in the skill of the competitors was evident.

Special Activities.

Miss Eleanor Hollinger, of the Junior Red Cross, spent 2 weeks in May visiting schools with the nurses in the interests of Junior Red Cross Clubs. Miss Hollinger also spoke to the teachers of Glengarry and East Hawkesbury at their annual conference in October.

Two graduate students from the School of Nursing, University of Toronto, were given field experience.

We were honoured by visits from Dr. Jean Orkney, Director, Bureau of Maternal and Child Welfare, Delhi, India; Miss Lyle Creelman, Director of Nursing, Metropolitan Health Committee, Vancouver; and Miss Hazel Macdonald, Supervising Nurse, Cape Breton Health Unit, who spent several days observing the work.

In September, two members of the staff assisted with the physical examination of students applying for admission to the Provincial Normal School, Ottawa.

Two nurses attended the Annual Meeting of the R. N. A. O. and the Ontario Educational Association Meeting in Toronto during Easter week.

Four staff meetings were held during the year.

Table XIII, on page 32, is a summary of all the various activities of the nursing staff during the past year.

TABLE XIII

SUMMARY OF ACTIVITIES OF NURSING STAFF—EASTERN ONTARIO HEALTH UNIT

For the Year 1939

Type of Visit	Nursing District								Total for 1939	Total for 1938
	Cass.	Plant.	Rock.	Finch	Lanc.	Corn.	Alex.	Hawk.		
Health Supervision										
Infant	88	67	118	152	99	149	311	141	1,125	1,276
Preschool	17	62	33	241	190	116	101	120	880	889
School	143	116	331	227	238	147	174	412	1,788	1,501
Adult	12	96	77	126	28	19	11	209	578	604
Maternity										
Prenatal	95	48	80	75	45	13	118	35	509	439
Delivery	4	0	0	2	0	0	1	0	7	4
Post Partum	66	36	21	50	29	13	131	30	376	303
New Born	49	44	0	35	17	12	98	26	281	267
Morbidity										
Non-Communicable	63	8	8	62	1	1	116	41	300	269
Com.—all acute	29	2	83	12	31	0	12	37	206	42
skin	0	0	18	16	0	0	0	6	40	39
V.D.	0	6	3	7	0	0	0	0	16	13
Tuberculosis										
Diagnosed	51	108	163	90	74	149	181	176	992	748
Suspect	0	1	26	30	8	23	15	5	108	66
Contact	0	0	10	10	37	49	7	0	113	220
Visits in behalf of	8	12	1	5	2	12	0	22	62	289
Social service	8	1	10	67	5	0	1	1	93	84
Bedside	(35)	(21)	(16)	(16)	(18)	(1)	(66)	....	(173)	(149)
Special Activities										
Re clinics	83	167	175	201	52	79	52	209	1,018	1,194
Promotion of work	87	60	122	130	85	125	143	158	910	966
All other	69	76	34	85	11	83	115	53	526	654
Total Visits	872	910	1,313	1,623	952	990	1,587	1,681	9,928	9,867
CLINICS										
Diphtheria—3 doses	151	213	196	509	0	220	0	288	1,577	1,898
Sc. Fever—5 doses	0	0	0	51	0	0	0	0	51	12
Vaccinations, takes	4	356	135	28	0	0	0	154	677	1,298
CHILD HEALTH CONFERENCES										
No. confernces held	*16	†15	0	0	0	0	12	19	62	61
Children attending	143	230	0	0	0	0	191	172	736	679
SCHOOLS										
Class rooms inspected	20	52	67	29	61	55	66	51	401	285
No. inspected	0	0	0	0	0	201	148	0	349	312
No. S.P.I.	574	1,320	1,815	559	1,618	1,311	1,307	1,561	10,065	7,249
Quick inspections	1,636	1,088	1,320	435	496	1,924	2,261	301	9,461	8,193
Meetings attended	5	5	5	10	20	15	9	7	76	79
Meetings addressed	1	1	0	7	0	0	6	1	16	9
Nursing classes	39	12	0	14	3	0	21	12	101	35
Chest Clinics—days	5	10	6	3	2	5	10	6½	47½	38½
School Fairs	0	2	0	2	2	2	3	0	11	17
Days off Duty—Illness	10	2½	7	11½	8½	8½	6½	15½	70	104
Vacation—Days	18	18	20	18	24	18	18	18	152	133

* incl. 1 preschool clinic. † incl. 3 preschool clinics.

Conclusion.

In a generalized programme, it is desirable that each phase receive a fair distribution of time. In this large area with a small staff, this has been difficult to accomplish. With a very real tuberculosis problem and a heavy school programme demanding attention, there is the danger of these activities overshadowing the vitally important infant and maternity work, the need for which is not yet realized by the public. In addition, special activities such as immunization and chest clinics cut into routines considerably. Each nurse is responsible to from two to five medical officers of health and she must conform to their plans, for instance, in the matter of immunization clinics.

It would seem that in a locality where there are so many natural barriers to success, as scattered population, difficult weather conditions for four or five months of the year, low income group and so forth, a smaller area or an augmented staff would assure better returns. Nevertheless, in view of the comparatively short period this Unit has been in operation, there have been some worth while accomplishments, as lowered infant and tuberculosis death rates, fair percentage of school children immunized against diphtheria and small pox, and perhaps most significant of all, a definitely awakened interest and a realization of the need for a public health service.

SANITARY ENGINEERING ACTIVITIES

During 1939, as was the case in 1938, the milk supplies of the Health Unit area received increased attention. The construction of a number of new pasteurizing plants in the autumn of 1938 made more frequent inspections necessary for the instruction of inexperienced operators and to secure compliance with Departmental regulations with respect to building and equipment. The usual supervision of municipal water supplies was maintained and the services of the engineer were available to public bodies and private individuals for special investigations.

Water Supplies.

At Plantagenet, extensive changes in the waterworks distribution system were made to secure increased pressure and a more potable supply. The spring creek from which the supply is secured was developed at a point near its source a distance of about 2,000 feet above the existing works. A small dam was built and a concrete reservoir with a storage capacity of between 35,000 and 40,000 gallons. From the reservoir, the supply is carried through 8-inch wood-stave pipe to the commencement of the old system. From this point, the existing 4-inch steel main was replaced by 6-inch wood-stave pipe as far as the Treadwell road crossing. The main crossing the Nation River, which has been a source of trouble almost every year because of ice conditions, was replaced with a 4-inch insulated wood-stave pipe laid across the county bridge. An area of 15 acres at the source has been purchased and is to be reforested. Future plans include the extension of this forest area. The work involved an expenditure of between $8,000 and $9,000. It has resulted in a marked improvement in the pressure in the distribution system and the physical quality of the supply. The ability of the new source to provide sufficient water for peak demands, however, has not been definitely shown. There is an emergency connection with the old source and next year, if necessary, it is planned to develop the new source to secure an increased flow.

At Clarence Creek, improvements were effected in the spring area from which this supply is drawn. These improvements are reported to have eliminated to a large extent the hydrogen sulphide which has been a source of annoyance in the past during the summer months.

At Rockland, during August and September, reports of analyses of the local supply showed gross contamination. Investigation indicated that this pollution was introduced during the relaying of a section of the chief supply main. Sterilization of the distribution system by means of a heavy chlorine dosage was recommended but the contamination cleared up before the necessary materials were secured. On the receipt of the first adverse report, the public were warned by the local health authorities and this warning was not revoked until the safety of the supply was assured.

Three routine chlorination inspections of each of the following supplies: Alfred, Hawkesbury and Rockland, were made, and one inspection only was made at Alexandria, Cornwall and the St. Lawrence Sanatorium.

Enquiries were made by three individuals with respect to the examination and protection of private wells. A total of 94 water samples were secured for bacterial examination, 74 of which were taken from municipal supplies. An additional 74 samples were submitted from public supplies by local health authorities.

Sewage Disposal.

Some difficulty was experienced in the operation of the sewage disposal plant at the St. Lawrence Sanatorium. Following an investigation, certain recommendations were made to improve conditions. The pollution of the Garry River as the result of the discharge of sewage from the Town of Alexandria was also investigated. At St. Mary's Convent, Vankleek Hill, advice was given to improve the sewage disposal facilities at this institution. Advice was given to five individuals with respect to private septic tank installations. These included residents of the Town of Alexandria and the Townships of Lochiel, Finch and East Hawkesbury.

Continued co-operation with cheese factory instructors employed by the Provincial Department of Agriculture has resulted in securing improved facilities for wash water disposal at a number of factories. Recommendations were made in connection with ten factories and an inspection was made at one factory where improvements were effected four years ago. These factories were located as follows: Lochiel Township, 4; Kenyon Township, 2; East Hawkesbury Township, 2, and Roxborough, North Plantagenet and Finch Townships, 1 each.

Five other drainage problems were investigated and recommendations made where corrections were necessary. These were distributed as follows: Alexandria, 3; North Plantagenet Township, 1; and Roxborough Township, 1.

School Sanitation.

Seven school inspections were made. In six instances, recommendations were made respecting improved toilet facilities. At the seventh school, suggestions to improve the ventilation were made. In five of the schools, the changes recommended were carried out. Schools visited were located in the following municipalities: Charlottenburgh Township, 2; Rockland, Casselman, Alfred Township, Caledonia Township and Roxborough Township, 1 each.

Milk Supplies.

During 1939, no urban centres in the Health Unit area were brought under the Provincial Legislation making the sale of pasteurized milk compulsory. The Legislation was extended, however, to certain rural areas adjoining towns.

These areas were portions of Clarence, West Hawkesbury, Kenyon and Lochiel Townships. No new pasteurizing plants were constructed, the number in operation being 19.

During the year a total of 60 inspections covering the equipment and methods of operation were made. This compares with 31 similar inspections made last year. 115 samples of pasteurized milk were secured by the writer from 26 dealers in 5 centres. In addition, 104 samples were submitted by local health authorities. The logarithmic average of the standard plate counts was 5,200. This compares with an average of 13,400 obtained in the examination of 127 samples in 1938 and a figure of 34,000 in 1937 when 69 samples were examined. While the improvement in the average standard plate count during the past three years has been marked, b. coli was reported in 112 or 51.1 per cent. of the samples examined this year. Comparative figures for 1937 and 1938 are not available, but this percentage is considerably higher than it should be.

A total of 96 samples of raw milk were secured from 31 dealers in 13 centres where the sale of pasteurized milk is not compulsory. The logarithmic average of the standard plate counts was 27,000. This compares with figures of 46,000 and 56,000 obtained in 1938 and 1937 respectively.

Investigations in connection with complaints of the sale of raw milk were made in Alexandria, Hawkesbury, Rockland and Vankleek Hill. In the Rockland area, it was deemed advisable to take legal action against one individual. A conviction was secured. In these centres, the illicit sale of small amounts of raw milk by private individuals owning one cow continues to give some trouble.

At Lancaster, Casselman, L'Orignal and Maxville, local health authorities and dairymen were interviewed concerning the introduction of compulsory pasteurization in these areas. By virtue of an Order-in-Council passed on Dec. 28th and coming into effect on March 1st, 1940, the compulsory sale of pasteurized milk will be extended to the following sections of the Health Unit area: Casselman, Lancaster, L'Orignal and Maxville villages; the police village of Plantagenet; the Townships of Alfred and West Hawkesbury and portions of the Townships of Cambridge, Charlottenburgh, Lancaster, Roxborough and Kenyon.

Miscellaneous.

A total of eight other problems of various kinds were investigated and where necessary, reports prepared and recommendations made. Two addresses on "Rural Sanitation" were given and one talk on "Milk Production and Handling."

Distribution of Work.

Summarizing all activities, the work was spread over 23 of the 28 municipalities comprising the Unit area. Twenty local medical officers of health were contacted on 63 occasions. A total of 53 special investigations were made at the request of the following: Head Office, 6; Provincial Government Officials, 8; private individuals, 13; and local boards of health, 26. Requests from local boards of health were received from 11 municipalities.

REPORT OF THE SOLICITOR

K. G. Gray, M.D., K.C., *Solicitor to the Department.*

The Solicitor acted as guardian *ad litem* for two patients in Ontario Hospitals.

The Solicitor is acting for officials of the Department in five actions in the Supreme Court. Two applications for *habeas corpus* were brought during the year on behalf of patients in Ontario Hospitals.

It was necessary to obtain judgment in county court against four creditors for maintenance owing to the Department on account of patients in Ontario Hospitals.

The following legislation was passed by the Legislative Assembly in the 1939 session:

The following Acts were amended:
The Athletic Commission Act, chap. 4.
The Cemetery Act, chap. 5.
The Pharmacy Act, chap. 34.
The Psychiatric Hospitals Act, chap. 36.
The Public Health Act, chap. 37.
The Sanatoria for Consumptives Act, chap. 42.
The Public Hospitals Act, chap. 38.
The Venereal Diseases Prevention Act, chap. 43.
The Mental Hospitals Act (contained in *The Statute Law Amendment Act*, chap. 47, sec. 20).

On the recommendation of the Minister of Health, regulations and amendments to regulations under the following Acts were approved by the Lieutenant-Governor in Council:

The Cemetery Act, February 28th.
The Mental Hospitals Act, April 1st (3).
The Mental Hospitals Act, October 4th.
The Nurses' Registration Act, January 17th.
The Nurses' Registration Act, April 1st.
The Nurses' Registration Act, June 27th.
The Optometry Act, October 20th.
The Private Hospitals Act, June 9th.
The Public Hospitals Act, January 17th.
The Public Hospitals Act, June 27th.
The Public Hospitals Act, October 20th.
The Public Hospitals Act, December 6th.
The Public Health Act, March 7th.
The Public Health Act, May 30th (2).
The Public Health Act, September 5th.

The Public Health Act, December 28th (2).
The Sanatoria for Consumptives Act, June 27th.
The Venereal Diseases Prevention Act, November 9th.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 28th day of February, A.D., 1939.

Upon the recommendation of the Honourable H. C. Nixon, Acting Minister of Health, the Committee of Council advise that pursuant to the provisions of Section 8 of *The Cemetery Act*, the following regulation made by the Department of Health respecting cemeteries, be approved by Your Honour:

In the case of any burial where the Last Post Fund arranges and pays for the burial, the Last Post Fund shall have the power and authority to provide and erect a monument, gravestone or other memorial, and in any such case no other monument, gravestone or other memorial shall be placed upon the grave unless the owner obtains the consent in writing thereto of the Last Post Fund.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

Copy of an Order-in-Council, approved by the Honourable, the Lieutenant-Governor, dated the 1st day of April, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that pursuant to clause (a) of subsection (2) of section 5 of *The Mental Hospitals Act, R.S.O., 1937*, Chapter 392, the following amendment to the regulations under the said Act be approved:

Regulation No. 1 which was approved by Your Honour on the 26th day of June, 1935, as amended by an Order-in-Council approved by Your Honour on the 22nd day of October, 1935, and as amended by an Order-in-Council approved by Your Honour on the 29th day of January, 1936, and as amended by an Order-in-Council approved by Your Honour on the 22nd day of February, 1936, and as amended by an Order-in-Council approved by Your Honour on the 27th day of February, 1937, be further amended by adding thereto the following:

"The Ontario Hospital, St. Thomas," so that the Regulations as amended shall now read as follows:

The following institutions shall be hospitals and hospital schools established under *The Mental Hospitals Act*, and shall be subject to the provisions of the said Act and these regulations:

The Ontario Hospital, Brockville.
The Ontario Hospital, Cobourg.
The Ontario Hospital, Hamilton.
The Ontario Hospital, Kingston.
The Ontario Hospital, London.
The Ontario Hospital, New Toronto.
The Ontario Hospital School, Orillia.
The Ontario Hospital, Penetanguishene.
The Ontario Hospital, Toronto.
The Ontario Hospital, Woodstock.
The Ontario Hospital, Whitby.

The premises commonly known as the Industrial Farm at Fort William, henceforth to be known as the Ontario Hospital, Fort William.

The premises formerly used and described as a gaol farm for women in the village of Concord in the Township of York, henceforth to be part of the Ontario Hospital, New Toronto.

The Ontario Hospital, St. Thomas.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 1st day of April, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that Section 12 of the regulations pursuant to *The Mental Hospitals Act*, approved by Your Honour on the 26th day of June, 1935, be repealed, and the following substituted therefor:

The minimum rate for which a patient, or his estate, or the person liable for his maintenance, shall be liable in the general wards of any institution, except the Ontario Hospital, Whitby, and the Ontario Hospital, Woodstock, shall be $7.00 per week, and for the Ontario Hospital, Whitby, and the Ontario Hospital, Woodstock, shall be $10.50 per week, and in cases where the patient's condition requires special care and treatment such further charges may be made as the superintendent may determine. Such rate shall not include clothing and the cost of clothing shall be an additional charge upon the patient, or his estate, or the person liable for maintenance.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 1st day of April, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the regulations pursuant to Section 5 of *The Mental Hospitals Act*, approved by Your Honour on the 26th day of June, 1935, be amended by adding thereto the following regulation:

9a. In any case where the superintendent releases any patient on probation according to the provisions of Section 36 of *The Mental Hospitals Act*, the superintendent shall have authority to obtain from the person who signs the written undertaking referred to in the said section, an agreement in the prescribed form, signed by such person to the effect that in the event that it becomes necessary to return the patient to the institution, such person will return him and will provide any expenses so incurred.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 4th day of October, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that pursuant to the provisions of clause (a) of subsection (2) of Section 5 of *The Mental Hospitals Act*, regulation numbered 1 made pursuant to the said Act, be amended by adding the following:

The Ontario Hospital, Langstaff.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 17th day of January, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the regulations with respect to training schools for nurses, approved by Your Honour on the 10th day of December, 1936, and amended by an Order approved by Your Honour on the 14th day of February, 1938, be further amended as follows:

Clause (c) of subsection (1) of Section 21 of the said regulations is amended by striking out the words and figures "July 1st, 1939" and inserting in lieu thereof the words and figures "October 1st, 1940," so that the said clause shall now read as follows:

(c) after October 1st, 1940, the completion of middle school standing in twelve papers as follows (as prescribed by the Department of Education):

Six Required Papers:
- English Literature.
- English Composition.
- One subject of Mathematics.
- Physics or Agriculture No. 1.
- Chemistry or Agriculture No. 2.
- Canadian History.

Six Papers, Optional:
- Languages—not more than four papers in two subjects.
- Latin—Literature, Composition.
- French—Literature, Composition.
- Spanish—Literature, Composition.
- Greek—Literature, Composition.
- German—Literature, Composition.
- Household Science No. I and No. II.
- Geometry.
- Ancient History.
- Arithmetic (special).
- Zoology (special).

Certified,

C. F. BULMER,
Clerk, Executive Council.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 1st day of April, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the regulations pursuant to *The Nurses' Registration Act, R.S.O., 1937*, chap. 230, approved by Your Honour on the 10th day of December, 1936, be amended by adding to section 5 thereof, the following subsection:

(3) Any nurse who has been graduated by an approved school for nurses outside of Canada may be entitled to sit for examination to qualify for registration in the Province of Ontario, provided that:

(a) such nurse has been registered under regulations satisfactory to the Department of Health; and

(b) such nurse makes application in the prescribed form as mentioned in Section 3: and

(c) such nurse pays an examination fee of $5.00 and a registration fee of $5.00; and

(d) the director is satisfied that the course of training received by such nurse is equivalent to the course of training received by a nurse in an approved training school in Ontario.

Certified,

C. F. BULMER,
Clerk, Executive Council.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 27th day of June, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the attached regulations under *The Nurses' Registration Act*, be approved.

Certified,

C. F. BULMER,
Clerk, Executive Council.

Regulations Pursuant to *The Nurses' Registration Act.*

Nurses registered by examination or as "Intermediate" nurses on the General Part of the Register of the General Nursing Council for Scotland shall be accepted for registration by the Director of Nurses' Registration for Ontario, and, further, application for "existing" nurses shall be considered on their respective merits; provided that

(a) the general educational standard of the applicant can be evaluated as corresponding to the general educational standards required in Ontario;

(b) the applicants who have not had a course in obstetrics equivalent to the undergraduate course given in Ontario will be required to take a post-graduate course in obstetrics acceptable to the Director before registration.

Note:—A General Hospital is defined as one which admits men, women and children, and gives instruction in the four main services—medical, surgical, gynaecological and children's diseases.

Such general training may be given in one General Hospital recognized as a complete training school, or in recognized affiliated or associated hospital which together give instruction in the above named services.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 20th day of October, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise pursuant to the provisions of *The Optometry Act*, that the attached amendment to the regulations under the said Act, and approved by Order-in-Council dated the 27th day of January, 1937, be approved.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

WHEREAS pursuant to Section 3 of *The Optometry Act*, being R.S.O. 1937, Chapter 246, it is provided that the Board of Examiners in Optometry appointed under the authority of the said Act may make regulations for the purposes set out in the said section, subject to the approval of the Lieutenant-Governor in Council.

NOW THEREFORE BE IT ENACTED that the Regulations passed by the Board of Examiners in Optometry pursuant to the said Statutes and approved by Order-in-Council dated the 27th day of January, 1937, be and the same are hereby amended as follows:

(1) Section 21 of the said Regulations is amended by striking out the words "Junior Matriculation in Ontario or its equivalent," and substituting and inserting in lieu thereof the words "Honour Matriculation in Ontario, or its equivalent," so that the said sub-section shall now read as follows:

> "Section 21—Any person desiring to be admitted as a student at the College of Optometry, shall register at the College and produce evidence of good character and that he had completed the Honour Matriculation in Ontario, or its equivalent, and has complied with such other requirements, as the Board may subscribe."

WE, the undersigned, being all members of the Board of Examiners in Optometry appointed under the authority of the said Act, do hereby consent and agree and enact that the Regulations of the Board as approved by Order-in-Council dated the 27th day of January, 1937, be and the same are hereby amended as above set out.

Clifford A. Taylor.
George M. Bosnell.
Grenville W. Goodwin.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 9th day of June, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the regulations pursuant to *The Private Hospitals Act*, approved by Your Honour on the 7th day of July, 1936, be amended by adding thereto the following:

Hospitals for Alcoholic Patients.

29. The license issued to a private hospital may provide that such hospital shall be a hospital for alcoholic patients, and any hospital so licensed shall be subject to all the provisions of these regulations, including regulations numbered 29 to 33 inclusive respecting hospitals for alcoholic patients.

30. Any hospital licensed as a hospital for alcoholic patients shall admit only patients who require treatment for alcoholism.

31. No person shall be admitted as a patient in any such hospital without the certificate of a duly qualified medical practitioner certifying that such person required treatment for alcoholism and is a suitable subject for treatment in such hospital, and that such treatment is advisable.

32. The register kept by every such hospital shall show the name and address of a duly qualified medical practitioner who has charge of the treatment of every patient.

33. The medical practitioner in charge of any patient shall see such patient at least twice in each week during the time that such patient is in the hospital and the medical practitioner shall make an entry in the records of the hospital showing the condition of the patient at the time of every such visit.

Certified,

C. F. BULMER,
Clerk, Executive Council.

Amendment to Regulations under the Public Hospitals Act approved by Order-in-Council, dated January 17th, 1939.

Unpasteurized milk prohibited.

66. No hospital shall use or permit within the hospital premises the use of milk which has not been pasteurized, as provided in section 95a of the Public Health Act.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 27th day of June, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the attached regulations made pursuant to the provisions of Section 4 of *The Public Hospitals Act*, be approved.

Certified,

C. F. BULMER,
Clerk, Executive Council.

The regulations pursuant to Section 4 of *The Public Hospitals Act*, approved by an Order-in-Council dated the 30th day of November, 1938, are amended as follows:

1. The said regulations are amended by adding thereto the following section:

   56a In the event that a sanatorium is paying for the maintenance of a patient in a hospital at the rate of $2.35 for each day that such patient receives treatment in the hospital as provided in the regulations under *The Sanatoria for Consumptives Act*, such hospital shall not receive any Provincial aid or municipal grant in respect of such patient.

2. Regulation number 56 is amended by adding thereto the following subsection:

   (3) Unless otherwise directed by an inspector, no Provincial aid shall be payable for a patient who is suffering from tuberculosis of the lung at the expiration of 30 days from the day of admission of such patient.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 20th day of October, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the Regulations pursuant to *The Public Hospitals Act*, approved by Order-in-Council, dated the 30th day of November, 1938, be amended by adding thereto the following regulations, numbered 3a, 3b and 3c:

3a. Notwithstanding any provision of the By-laws of any hospital, the fiscal year of every hospital shall be the calendar year.

3b. Notwithstanding any provision of the By-laws of any hospital, the annual meeting of the hospital shall be held between the first day of January and the fifteenth day of February, on a date to be determined by the Board.

3c. Notwithstanding any provision of the By-laws of any hospital, the Board shall have authority to determine the dates on which all meetings of the Board are to be held.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 6th day of December, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the regulations pursuant to *The Public Hospitals Act, R.S.O., 1937*, Chapter 390, be amended as follows:

Regulation numbered 3b, approved by Order-in-Council, dated the 20th day of October, 1939, is repealed and the following substituted therefor:

Notwithstanding any provision of the By-laws of any hospital, or any provision of any general or special act under which any hospital was created, established or incorporated, the annual meeting of every hospital shall be held between the first day of January and the last day of April, on a date to be determined by the Board.

Regulation numbered 3c, approved by Order-in-Council, dated the 20th day of October, 1939, is repealed and the following substituted therefor:

Notwithstanding any provision of the By-laws of any hospital, or any provision of any general or special act under which any hospital was created, established, or incorporated, the Board shall have authority to determine the dates on which all meetings of the Board are to be held.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

Amendment to Regulations for The Control of Communicable Diseases.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 7th day of March, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the Regulations for the Control of Communicable Diseases made under *The Public Health Act* and approved by Your Honour on the 10th day of December, 1937, be amended as follows:

1. The said Regulations are amended by inserting after section 3 the following section:

> 3a. Section 60a of *The Public Health Act* shall apply to typhoid fever and paratyphoid fever.

2. Regulation No. 10 of the said Regulations is repealed.

3. Paragraph 24 of Regulation No. 22 under the heading "Paratyphoid Fever" is amended by adding at the end thereof the following:

> Within five days after a patient has become afebrile following an attack of paratyphoid fever the medical officer of health shall cause to be submitted to a provincial laboratory or laboratory approved by the Department, specimens of urine and feces for examination for the presence or absence of E. paratyphosus. Two such examinations shall be negative for the E. paratyphosus with specimens taken at least seven days apart before the patient shall be released from isolation restrictions as a convalescent carrier. In the event that these specimens are negative for the paratyphoid bacilli the patient shall be released from isolation. If paratyphoid bacilli are found to be present in such examination, then the individual shall be considered a convalescent carrier and be subject to restrictions set out in Regulation 28.

In the case of patients who are employed in the handling, production, delivery or sale of milk or milk products, or in the preparation or handling of food, four negative examinations for the presence of paratyphoid organisms shall be required before patient shall be released from isolation restrictions as outlined in Regulation 28.

In the case of patients who are found to be excreting the paratyphoid organism subsequent to an attack of the disease such information shall be reported to the Department of Health of Ontario giving the full name, age, occupation and address of such convalescent carrier.

4. Paragraph 42 of Regulation No. 22 under the heading "Typhoid Fever" is amended by adding at the end thereof the following:

Within five days after a patient has become afebrile following an attack of typhoid fever the medical officer of health shall cause to be submitted to a provincial laboratory or laboratory approved by the Department, specimens of urine and feces for examination for the presence or absence of typhoid organisms. Two such examinations shall be negative with specimens taken at least seven days apart before the patient shall be released from restrictions as a convalescent carrier. In the event that these specimens are negative for the typhoid bacilli the patient shall be released from isolation. If typhoid bacilli are found to be present in such examination then the individual shall be considered a convalescent carrier and be subject to restrictions set out in Regulation 28.

In the case of patients who are employed in the handling, production, delivery or sale of milk or milk products, or in the preparation or handling of food, four negative examinations for the presence of typhoid organisms shall be required before patient shall be released from isolation restrictions as outlined in Regulation 28.

In the case of patients who are found to be excreting the typhoid organisms subsequent to an attack of the disease such information shall be reported to the Department of Health of Ontario giving the full name, age, occupation and address of such convalescent carrier.

5. The Regulations are also amended by adding the following sections:

PARATYPHOID AND TYPHOID CARRIERS

REGULATION 24—Whenever in the epidemiological investigation of a case or cases of typhoid or paratyphoid fevers any person is suspected of being a typhoid or paratyphoid carrier, the medical officer of health may require such person whom he believes to be a carrier to submit two specimens of feces and urine for examination as to the presence or absence of typhoid or paratyphoid organisms.

If upon such examination such person is found to be excreting typhoid or paratyphoid organisms he shall be declared a typhoid or paratyphoid carrier by the medical officer of health of the municipality in which such carrier resides and shall be served with Form I Typhoid, declaring him to be a typhoid or paratyphoid carrier.

REGULATION 25—The medical officer of health upon the determination that a person is a typhoid or paratyphoid carrier shall immediately report the fact to the Department of Health of Ontario giving the full name, age, occupation and address of such carrier together with any other information relating to possible or probable infection of others. The medical officer of health shall also inform such person, or in the case of a minor under eighteen years of age, his guardian, that such person is a typhoid or paratyphoid carrier and shall give instructions in detail to the carrier as to the precautions to be observed in preventing the spread of typhoid or paratyphoid fevers.

REGULATION 26—Any convalescent carrier or chronic carrier who is deprived of his means of livelihood by any order given by the medical officer of health may be entitled to compensation from the Provincial Department of Health on the following basis:

(1) For unmarried person not exceeding twenty dollars per month;

(2) For married man with dependents under the age of sixteen years, not exceeding twenty dollars per month plus five dollars per month for each dependent.

The decision as to who shall be eligible for compensation and the amount shall rest with the Minister, whose decision shall be final, unless amended or revoked by him.

Regulation 27—The release of any person who has been declared a chronic typhoid or paratyphoid carrier shall be made only by the Department of Health. To obtain release from isolation restrictions the Department shall be satisfied that:

(a) The gall bladder has been removed;

(b) That subsequent to the removal of the gall bladder each of three specimens of the duodenal contents taken in a hospital at intervals of not less than twenty-four hours, has been examined by a provincial laboratory and found to contain no typhoid or paratyphoid bacilli;

(c) Further that subsequent to the removal of the gall bladder each of at least eight successive specimens of liquid feces taken in a hospital on successive days and under circumstances which do not permit of substitution, has been examined by a provincial laboratory and found to contain no typhoid or paratyphoid bacilli.

Instructions to Typhoid or Paratyphoid Carrier

Regulation 28—

(a) A convalescent carrier shall observe the same precautions as a chronic carrier until released from restrictions;

(b) A chronic typhoid or paratyphoid carrier shall not prepare or handle any food or drink which is to be sold or distributed to any other person;

(c) The urine and feces of a typhoid or paratyphoid carrier shall be disposed of in such a manner as to not endanger any public or private water supply and shall not be accessible to flies;

(d) No typhoid or paratyphoid carrier shall conduct or be employed in any restaurant, hotel or boarding house or reside in any boarded home for children;

(e) No typhoid or paratyphoid carrier shall engage in occupation of nurse, cook, housemaid, waiter or in any occupation involving the handling of milk or milk products or of utensils used in the production thereof;

(f) No typhoid or paratyphoid carrier shall reside on any premises from which milk or cream is sold or shipped for sale to any dairy, creamery, butter or cheese factory unless a written guarantee endorsed by the producer or shipper is obtained from such carrier that they shall not engage in any way in the production of milk or care of the cattle or in handling any of the utensils used in milk production;

(g) No typhoid or paratyphoid carrier shall change his place of residence without giving due notice to the medical officer of health of such proposed change and the medical officer of health shall give notice of such change of residence to the medical officer of health of the municipality in which the carrier proposes to reside; and also the Department of Health.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 30th day of May, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that pursuant to Section 95a of *The Public Health Act*, the said section 95a of *The Public Health Act* be made applicable to the municipalities and areas set forth in the memorandum hereto attached, and that this Order shall come into force and be effective from June the 30th, 1939, to October the first, 1939, inclusive, and thereafter from June the first to October the first, inclusive, each year.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

1. The Villages of Erieau, Erie Beach, Sturgeon Point.
2. That part of Harwich Township, in the County of Kent, lying south of the line between Concessions 2 and 3, and south of the line between Lots 2 and 3 running from Erie Beach.
3. That part of the Township of South Walsingham, in the County of Norfolk, lying south of the line between Concessions 2 and 3.
4. That part of the Township of Charlotteville, in the County of Norfolk, lying south of the line between Concessions 1 and 2.
5. That part of Woodhouse Township in the County of Norfolk, lying south of the line between Concessions 2 and 3.
6. In the District of Muskoka—The Townships of Brunel, Cardwell, Chaffey, Draper, Franklin, Freeman, McLean, Macaulay, Medora, Monck, Morrison, Muskoka, Oakley, Ridout, Ryde, Stephenson, Stisted, Watt and Wood; and the Villages of Port Sydney and Windermere.
7. In the Township of Flos, County of Simcoe—The area lying north of the road between Concessions 7 and 8, and west of the line between Lots 15 and 16.
8. In the Township of Sunnidale, County of Simcoe—The part north of the road between Concessions 12 and 13.
9. In the Township of Nottawasaga, County of Simcoe—That part north of the line between Lots 30 and 31.
10. That part of Innisfil Township in the County of Simcoe, lying east of the line between Lots 20 and 21; and the area north of the road between Concessions 12 and 13 with the easterly boundary being the line between Lots 10 and 11.
11. In the County of York—That part of the Township of North Gwillimbury west of the line between Concessions 3 and 4 and also the area north of the line between Lots 19 and 20.

    That part of the Township of Georgina north of the line between Concessions 6 and 7.
12. In the County of Ontario—That part of the Township of Brock north of the line between Concessions 13 and 14 and west of the line between Lots 6 and 7.

    That part of the Township of Thorah west of the line between Lots 10 and 11.

    That part of the Township of Mara west of the Canadian Pacific Railway tracks and west of the line between Lots 25 and 26.

    That part of the Township of Rama west of the line between Lots 18 and 19.
13. That part of Brighton Township, County of Northumberland, lying south of the Canadian National Railway line.
14. In Victoria County—The Townships of Fenelon, Verulam, Mariposa and Ops.
15. In the County of Ontario—The Township of Scugog, and that part of the Township of Reach lying east of the line between Lots 14 and 15, and south of the line between Concessions 10 and 11.
16. In the County of Durham—The Township of Cartwright, and that part of the Township of Manvers west of the line between Lots 10 and 11, and north of the line between Concessions 11 and 12.
17. In the County of Northumberland—That part of the Township of Hamilton north of the line between Concessions 7 and 8.
18. All Townships in the District of Manitoulin.
19. In Torbolton Township, County of Carleton—The area north of the road between Concessions 3 and 4.
20. In the Township of Fitzroy, County of Carleton—The area north of the line between Lots 20 and 21, east of the line between Concessions 7 and 8, and west of the line between Concessions 10 and 11.
21. In the District of Parry Sound—The Townships of Humphrey, Conger, Foley, Cowper, McDougall, Ferguson and Carling, and the Village of Rosseau.

22. In the County of Lanark—The Townships of Burgess North, Elmsley North, Bathurst and Sherbrooke South.

In the County of Leeds—The Townships of Bastard, Elmsley South, Crosby North.
In the County of Frontenac—The Townships of Oso and Olden.

23. In the County of Northumberland—The Township of Seymour north of the line between Concessions 10 and 11.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 30th day of May, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that pursuant to Section 95a of *The Public Health Act*, the said Section 95a of *The Public Health Act* be made applicable to the municipalities and areas set forth in the memorandum hereto attached, and that this Order shall come into force on June 30th, 1939.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

1. The Villages of Bloomfield, Braeside, Brussels, Port Carling, Crystal Beach, Jarvis, Newcastle, Portsmouth, Stirling, Streetsville, Thamesville, Wellington, Wheatley, Woodville.

2. That part of Mersea Township, County of Essex, lying south of the line between Concessions 6 and 7.

3. That part of Gosfield South Township in the County of Essex, lying south of the line between Concessions 3 and 4.

4. That part of Barton Township, in the County of Wentworth, included in Concession 5.

5. Those parts of the Townships of Bosanquet and Stephen, Counties of Lambton and Huron, contained in the Police Village of Grand Bend.

6. The Townships of (a) Romney, in the County of Kent; (b) Colchester South, in the County of Essex; (c) Malden, in the County of Essex; (d) Anderdon, in the County of Essex; (e) That part of the area occupied by the Police Village of Belmont in the County of Middlesex.

7. In the County of Hastings—That part of Sidney Township west of the line between Lots 5 and 6 and south of the Canadian Pacific Railway tracks.

8. That part of the Township of Gwillimbury East, County of York, included in the Police Village of Mount Albert.

9. In the County of Glengarry—In the Township of Kenyon, the area south of the line between Concessions 4 and 5 and east of the line between Lots 12 and 13; and in the Township of Lochiel, south of the line between Concessions 3 and 4, and west of the line between Lots 25 and 26.

10. In the County of Prescott—That area north of the line between Concessions 2 and 3 in the Township of Hawkesbury West.

11. In the Township of Williamsburg, County of Dundas—The area bounded on the north by the line between Concessions 5 and 6, on the east by the line between Lots 22 and 24; on the south by the road between Concessions 4 and 5; and on the west by the Township boundary.

12. In the County of Russell—The area north of the base line in the Township of Clarence.

13. In the County of Dundas—That portion of Winchester Township bounded on the north by the line between Concessions 7 and 8, on the east by the line between Lots 6 and 7, on the south by the line between Concessions 4 and 5, and on the west by the Township boundary.

14. In the County of Grenville—That portion of the Township of Edwardsburg south of the line between Concessions 2 and 3.

15. In the District of Temiskaming—The Townships of Teck, Lebel, Gauthier, McVittie, Hearst, McGarry and McFadden.

16. In the County of Welland—That part of Bertie Township south of the line between Concessions 2 and 3, and west of the line between Lots 20 and 21.

17. In the County of Ontario—That part of Pickering Township south of the line between Concessions 2 and 3; and that part of the Township of Whitby south of the line between Concessions 3 and 4.

18. In the County of Prince Edward—The Township of Ameliasburg contained in Concession 1 and lying east of the line between Lots 76 and 77 and west of Lot 58.

19. The area in the Police Village of Maple in the Township of Vaughan; the area in the Police Village of St. Jacobs in the Township of Woolwich.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 5th day of September, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the attached Regulations respecting courses of instruction and qualifications for medical officers of health, sanitary inspectors and public health nurses, made pursuant to Clause zc of Section 5 of *The Public Health Act*, be approved by Your Honour.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

Regulations respecting courses of instruction and qualifications for medical officers of health, sanitary inspectors and public health nurses.

Pursuant to Clause zc of Section 5 of *The Public Health Act*.

1. These regulations shall apply only to a medical officer of health, a sanitary inspector or public health nurse who is appointed after the date upon which these regulations shall come into force.

Medical Officers of Health

2. No person shall be appointed as a full-time medical officer of health unless prior to his appointment he has secured a certificate or diploma issued by a Canadian university, following not less than one year's full-time post-graduate study of public health, or a similar qualification issued by a university outside Canada and accepted as equivalent by a Canadian university.

3. No person shall be appointed as a part-time medical officer of health for a municipality with a population exceeding 4,000 unless prior to his appointment he has devoted not less than one month to a course of instruction designated by the Minister of Health, and completed to his satisfaction, or has had at least five years' experience as medical officer of health in a comparable municipality in the Province of Ontario.

4. Any part-time medical officer of health for a municipality having a population of less than 4,000 shall within one year after his appointment as medical officer of health complete a course of instruction designated by the Minister of Health.

Sanitary Inspectors

5. In these regulations the term "sanitary inspector" shall include milk inspector, plumbing inspector, food inspector.

6. No person shall be appointed as a full-time sanitary inspector unless he is a veterinary surgeon, or unless, prior to his appointment, he has secured the certificate granted by the Canadian Public Health Association or by certifying organizations recognized by the Association for this purpose.

7. The qualifications of every part-time sanitary inspector shall be reviewed by the Department of Health of Ontario, and any inspector who is deemed by the Department not to have the necessary qualifications or experience may be required to secure such experience or qualifications in a municipality designated for this purpose by the Department.

Public Health Nurses

8. No person shall be engaged as a public health nurse unless she has the qualifications hereinafter mentioned.

9. A nurse who is working under the daily supervision of a directing nurse in charge of public health nursing shall have the following qualifications:

(a) Registration under *The Nurses' Registration Act*, and

(b) A certificate from a university certifying that the nurse has satisfactorily completed a course of not less than one year in public health nursing.

10. A nurse who is not working under daily supervision, as mentioned in Section 9, shall have the following qualifications:

(a) Registration under *The Nurses' Registration Act*,

(b) Two years' experience in nursing following graduation, preferably in public health nursing.

(c) A certificate from a university certifying that the nurse has satisfactorily completed a course of not less than one year in public health nursing.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 28th day of December, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that Section 95a of *The Public Health Act* as enacted by Section 8 of *The Public Health Amendment Act, 1938*, be made applicable to the municipalities and areas designated in the attached schedule.

The Committee further advise that this Order shall come into force and be effective from June the first to October the first, inclusive, in each year.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

1. In the District of Muskoka—The Township of Baxter.
2. In the County of Frontenac—The Townships of Barrie, Clarendon, Bedford, Hinchinbrooke, Kennebec, Loughborough, Portland and Storrington; that part of Kingston Township north of the line between Concessions 3 and 4; that part of Pittsburgh Township north of the line between Concessions 4 and 5.
3. In the County of Renfrew—The Townships of Sherwood and Jones.
4. In the County of Hastings—The Townships of Sidney and Bangor.
5. In the County of Lennox and Addington—The Townships of Kaladar and Anglesea.
6. In the County of Leeds—The Township of Crosby South and Burgess South.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 28th day of December, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that Section 95a of *The Public Health Act* as enacted by Section 8 of *The Public Health Amendment Act, 1938*, be made applicable to the municipalities and areas designated in the attached schedule.

The Committee further advise that this Order shall come into force on the first day of March, 1940.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

1. In the County of Essex—The Townships of Maidstone, Rochester, Tilbury West, Tilbury North, Sandwich South, Colchester North, Gosfield North, that part of Gosfield South Twp. lying north of the line between Lots 3 and 4, and that part of Mersea Twp. lying north of the line between Concessions 6 and 7.
2. In the County of Kent—The Townships of Camden, Howard, Orford, Tilbury East, Zone, Chatham, Dover, Harwich, Raleigh.

3. In the County of Lambton—The Townships of Bosanquet, Brooke, Dawn, Enniskillen, Euphemia, Moore, Plympton, Sarnia, Sombra and Warwick.

4. In the County of Middlesex—The Townships of Adelaide, Caradoc, Delaware, Dorchester North, Ekfrid, Lobo, McGillivray, Metcalfe, Mosa, Williams East, Williams West, and that part of London Twp. north of the line between Concessions 4 and 5.

5. In the County of Oxford—The Townships of Dereham, Norwich North, Norwich South, Oxford East, Oxford North, Oxford West, that part of Nissouri East Township south of the line between Lots 10 and 11, and that part of the Township of Zorra West lying south of the line between Lots 20 and 21.

6. In the County of Huron—The Township of Howick.

7. In the District of Cochrane—The Townships of Hislop and Playfair.

8. In the District of Sudbury—The Townships of Chapleau, Hallam, May, Salter and Foleyet.

9. In the District of Nipissing—The Townships of Ferris East and Caldwell.

10. In the District of Parry Sound—The Township of Himsworth South.

11. In the District of Temiskaming—The Townships of Cairo and James.

12. In the County of Norfolk—The Townships of Middleton, Walsingham North, Houghton, Walsingham South, Charlotteville, Woodhouse, Windham, Townsend.

13. In the County of Brant—The Township of Brantford.

14. In the County of Welland—The Townships of Bertie, Crowland, Humberstone, Pelham, Stamford, Thorold, Willoughby.

15. In the County of Lincoln—The Townships of Clinton, Grantham, Grimsby North, Grimsby South, Louth, Niagara.

16. In the County of Wentworth—The Townships of Ancaster, Barton, Flamboro East, Flamboro West, Saltfleet.

17. In the County of Peel—The Townships of Albion, Toronto, Toronto Gore.

18. In the County of Waterloo—That part of the Township of Waterloo south of the Speed River, and north of the road between Concessions 5 and 6.

19. In the County of Russell—That part of the Township of Cambridge bounded on the north by the line between Concessions 5 and 6; on the east by the line between Lots 5 and 6 of Concessions 6, 7 and 8; on the south by the line between Concessions 8 and 9; on the west by the line between Lots 12 and 13 of Concessions 6, 7 and 8.

20. In the County of Glengarry—That part of the Township of Charlottenburg lying south of the line between Concessions 2 and 3; and that part of the Township of Lancaster lying south of the line between Concessions 2 and 3; that part of the Township of Kenyon west of the line between Lots 30 and 31, and south of the line between Concessions 7 and 8, and north of the line between Concessions 4 and 5.

21. In the County of Stormont—That part of the Township of Roxborough east of the line between Lots 6 and 7, and south of the line between Concessions 7 and 8, and north of the line between Concessions 5 and 6.

22. In the County of Prescott—The Townships of Hawkesbury West and Alfred.

23. In the District of Algoma—The Township of Thessalon.

24. In the District of Thunder Bay—The Townships of Nipigon and Summers.

25. In the District of Kenora—The Townships of Drayton, Vermillion, Vermillion Additional, and Van Horne.

26. In the County of Halton—The Townships of Nelson and Trafalgar.

27. In the County of Frontenac—The areas within 1½ miles of each of the following post offices, viz., Sharbot Lake, Parham, Tichborne, Verona, Hartington, Harrowsmitn, Sydenham.

28. In the County of Hastings—That part of Tyendinaga Township lying south of the Canadian National Railway tracks and east of the line between Lots 20 and 21 extended.

29. IN THE COUNTY OF LENNOX AND ADDINGTON—That part of the Township of Richmond south of the Canadian National Railway tracks and west of Napanee.

30. THE VILLAGES OF—Ailsa Craig, Alvinston, Arkona, Athens, Ayr, Bancroft, Belle River, Blyth, Cannington, Casselman, Cayuga, Cobden, Coldwater, Courtright, Creemore, Deloro, Drayton, Embro, Erieau, Erie Beach, Erin, Fonthill, Frankford, Glencoe, Grand Valley, Hastings, Highgate, Killaloe Station, Lanark, Lancaster, L'Orignal, Lucan, Marmora, Maxville, Merrickville, Mildmay, Millbrook, Norwood, Oil Springs, Omemee, Paisley, Richmond, St. Clair Beach, Streetsville, Teeswater, Thedford, Tottenham, Wardsville, Waterdown, Wyoming.

31. THE AREAS OCCUPIED BY THE FOLLOWING POLICE VILLAGES—Baden, Burford, Elmvale, Eden Mills, Holland Landing, King City, MacTier, Manotick, North Gower, Orono, Plantagenet, Queensville, Rockwood, Schomberg, St. George, Sharon, Sunderland, Thornhill, Waubaushene.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 9th day of November, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the Regulations respecting venereal diseases made pursuant to the *Venereal Diseases Prevention Act* and approved by the Lieutenant-Governor-in-Council on June 20th, 1918, April 16, 1920 and December 28, 1922, be amended as follows:

1. Clause (g) of the said regulations is repealed and the following substituted.

(g) REPORTING

Every medical practitioner, every hospital superintendent, superintendent of every institution under *The Mental Hospitals Act*, the head of every gaol, reformatory or other place of detention and of every institution, private, public or otherwise, shall report within 24 hours to the Department of Health of Ontario in accordance with Form VI every case of venereal disease coming under his treatment or care for the first time. If the patient has been under treatment by another physician or institution, notice thereof shall be sent forthwith to the Department, but without giving the name of the patient.

2. Form VI in the said regulations is repealed and the following substituted therefor:
(a) Form VI. V.D.

REPORT OF VENEREAL DISEASE

Name of Disease....................
Initials of Patients....................Date of Birth....................
Married or Single....................Sex....................
Municipality....................
Date....................

(Signed)

....
Medical Practitioner, Supt., or Head of Institution.

Certified,

C. F. BULMER,
Clerk, Executive Council.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 27th day of June, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the attached regulations made pursuant to the provisions of Section 3 of *The Sanatoria for Consumptives Act*, be approved.

Certified,

C. F. BULMER,
Clerk, Executive Council.

The regulations pursuant to *The Sanatoria for Consumptives Act*, approved by an Order-in-Council dated the 22nd day of June, 1938, are amended as follows:

1. Regulation number 10 is repealed and the following substituted therefor:

No person who has previously been discharged from a sanatorium on account of misdemeanor or lack of co-operation, shall be re-admitted as a patient in a sanatorium without the consent of the superintendent of the sanatorium to which such person desires admission.

2. Regulation number 25 of the said regulations is amended by adding thereto the following subsection:

(2) In the event that it is necessary for the superintendent to transfer a patient from a sanatorium to a hospital under *The Public Hospitals Act* in order that such patient may have performed upon him a surgical operation for a tuberculous condition of the lung, the Department may pay Provincial aid to the sanatorium at the rate of $2.07½ for each day that such patient is in the public hospital, and in such event the sanatorium shall pay the public hospital $2.35 for each day that such patient is in the public hospital, but the approval of an inspector shall be obtained before a patient is transferred under this section.

3. The said regulations are amended by adding thereto the following:

25a Out of any moneys payable to a sanatorium for Provincial aid the Department may at any time make such deductions as the director shall determine, on account of any patient who is not suffering from tuberculosis.

4. Regulation number 26 of the said regulations is amended by adding at the end thereof the following words:

"or such greater amount as an inspector may authorize upon application by the superintendent."

5. Regulation number 27 of the said regulations is amended by adding thereto the following subsection:

(2) Every sanatorium shall do everything necessary to ensure that any baby born in the sanatorium shall not contract any tuberculous or other infection.

DIVISION OF MEDICAL STATISTICS

A. Hardisty Sellers, B.A., M.D., D.P.H., *Director.*

The functions of this Division include the assessing of the cancer control programme and the compilation of cancer case statistics, research into the problems associated with hospitalization, the compilation of Ontario Hospital statistics, statistical service to each Division of the Department and statistical research in the public health field in general.

The Division supervises, collects, tabulates and analyses clinical and follow-up records of all patients treated in the seven Ontario cancer centres. All annual departmental summaries and any statistical analyses of cancer morbidity or mortality data are prepared. The necessary monthly and other reports on movement of patients in Ontario Hospitals, analyses of trends in population, etc., are prepared by this Division as well as the Annual Report thereon. A comprehensive study of public hospitals, begun in 1936, is shortly to be concluded.

It is in the last field mentioned (public health statistics in general), that the most important contribution can be made and the conception of this Division as a consulting service and research bureau for the Department is being encouraged. This phase is being gradually developed and with the completion of the survey of public hospitals, it is anticipated that much can be achieved. In each of the four broad fields named, research constitutes an important part of the work, analyses being conducted with clinical or administrative objectives in mind.

THE ACTIVITIES OF THE DIVISION DURING THE YEAR

The work of the Division of Medical Statistics during 1939 was associated with several new developments and with the completion of certain cancer studies and a large part of the hospital survey programme initiated in earlier years.

1. Cancer Control.

The field of cancer control has been one of the fundamental responsibilities of this Division since its inception. During 1939, further work on the 30-year study of cancer deaths in Ontario was held in abeyance and the time devoted to the case studies dealt with in succeeding paragraphs.

(*a*) *Cancer Clinic Statistics.*

The first fruits of the new recording plan in the seven Ontario cancer centres, already discussed in earlier reports, were borne during 1939. Through an arrangement whereby a follow-up card for each patient is returned to the Department annually, a general analysis of all new cases admitted to the Centres during 1938 was made possible. The findings of this study were incorporated in a forty-page Cancer Review which was issued in June, 1939. Over 2,000 patients were covered by this Review and data on age, sex, site, place of residence in relation to place of treatment, histological diagnosis, stage of disease, etc., were all included. One full month of the time of the entire staff was devoted to the work. This study has proven of great assistance not only to those active in the treatment field, but also to those concerned with professional and public education in respect to cancer and the publication enjoyed an excellent circulation during 1939.

While the Cancer Review for 1938 did not include any material on duration of symptoms, nature of previous treatment and other ancillary facts, all information necessary to the study of such aspects is available for analysis during 1940. It is planned that such annual reviews on cancer as the above will be issued at regular intervals, the detailed analysis of survival following treatment of necessity being deferred until 1942. The statistical report on cancer for 1939 will be found on page 191 of this Report.

All deaths occurring among patients treated for cancer in the clinics are checked against the official death certificates and in this and other ways, the Division assists the clinics and their staffs in the follow-up of any patients who for any reason cannot be contacted.

The history and examination forms introduced into the seven Cancer Centres in 1937 were revised in the light of eighteen months experience in order to better adapt them to clinical needs. In addition to those already in use, special forms were devised for gastro-intestinal cases (exclusive of oesophagus and rectum). All the new schedules have been in use for a year and have proven decidedly satisfactory. In company with revision of these schedules it was necessary to issue a new memorandum on recording and this was placed in the field in March, 1939. This document incorporates certain important new features for those concerned with the responsibility for clinic records and covers all details pertinent to procedure in clinical recording and follow-up. At least two visits were made to each Centre during the year with the object of inspecting the records, correcting any defects and clarifying any difficulties.

(*b*) *Cancer Morbidity Studies.*

During 1938, a beginning was made in respect to a study of all cancer cases treated in Ontario public hospitals during 1937. Transcription of the information from the monthly hospital returns was completed during 1939 and 12,000 records are now ready for tabulation. These data include all patients with cancer and benign tumours as well as certain non-neoplastic conditions. Preparations have been made for analysis of these data, and a report thereon will be prepared during 1940.

Attention has been drawn in earlier reports dealing with the cancer problem, to a realization of the need for information as to the number of patients who are alive with cancer during a given period. With this in mind, arrangements were completed during 1939 for a beginning to be made in Ontario by a survey of diagnosed cancer cases in the County of Middlesex. This is a joint undertaking with the Ontario Medical Association and covers the calendar year 1939. Reports are being sought on all patients with cancer (or probable cancer) seen, observed, or treated in private practice, hospital or clinic during the year. While of necessity such a survey is limited to known or diagnosed cases, this is not a serious restriction since practically nothing is known as yet concerning cancer incidence and to include other cases (suspected cancer, precancer, etc.) would be undesirable for many obvious reasons. Appropriate schedules for reporting were prepared by this Division and sent late in December to all physicians and hospitals in the County by the Cancer Committee of the Ontario Medical Association. When returns are complete, this Division will undertake statistical analysis of them and prepare the formal report on the survey for publication and distribution during 1940.

During the year, the co-operation of this Division was extended to the Ontario Medical Association and to the Canadian Medical Association in setting up a plan for voluntary reporting and recording of cancer cases throughout Canada.

2. Survey of Public General Hospitals

Begun in October, 1936, the survey of Ontario Public General Hospitals is rapidly being brought to completion. A large portion of the time of the staff was devoted to this work during 1939. The morbidity aspects of this study cover 70,000 patients. The survey is being published in four parts: I—Summary and Recommendations; II—General Statistics; III—Financial Statistics, and IV—Hospital Morbidity. Parts II and III, each 40 pages with charts and tables, have already been issued and have proven of definite administrative service to the Department. These deal with general and financial statistics during the period 1900-1938. The balance of the Report will be available early in 1940.

Arising out of this survey will come a clearer perspective of the general hospital problem in the Province and specific guidance in future policy. The information which will be included in part IV of the Report upon the Hospital Survey, namely the morbidity study, will be the first of its kind in Canada. It should add a definite contribution to our knowledge of the frequency of certain diseases requiring hospitalization as well as much basic information on the broader aspects of hospital morbidity since it deals with morbidity by cause, age, sex, duration, place of residence, etc. It includes also data on the relation between provincial aid and these factors.

Undoubtedly a national service would be effected by placing such a statistical analysis—even reduced to the barest summary—on a national basis routinely. Few countries (New Zealand is one) have data of any sort on the causes of hospital illnesses and knowledge of the frequency, duration, age and sex relationships are much needed by the profession and by public health workers. Data are now being collected nationally for mental institutions and tuberculosis sanatoria. The greater volume of sickness and costs in respect to general sickness requiring hospitalization makes data on it even more worth while.

A few highlights of the findings recorded in the study are presented in the following sections.

(a) The Causes of Hospital Morbidity.

A total of 60,743 patients were discharged from (or died in) public general hospitals during the quarter year ending December 31st, 1936, for which the detailed morbidity analysis was undertaken. Table I gives a summary of the causes of hospitalization in the group studied according to International List Classes.

TABLE I

THE CAUSES OF HOSPITAL ILLNESSES—INTERNATIONAL LIST GROUPS DISCHARGES AND DEATHS—ADULTS AND INFANTS

Diagnosis Class	Patients		Days	
	Number	Per Cent.	Number	Per Cent.
1. Infectious Diseases	1,682	2.77	35,470	4.30
2. Cancer and Other Tumours	2,950	4.86	62,143	7.54
3. Rheumatic and General Diseases	1,699	2.80	42,612	5.17
4. Diseases of Blood and Blood Forming Organs	288	0.47	7,146	0.87
5. Chronic Poisonings and Intoxications	348	0.57	1,754	0.21
6. Diseases of Nervous System and Special Sense	2,586	4.26	49,818	6.04
7. Diseases of Circulatory System	2,047	3.37	57,311	6.95
8. Diseases of Respiratory System	3,141	5.17	40,740	4.94
9. Diseases of Digestive System*	15,512	25.54	138,473	16.79
10. Diseases of Genitourinary System	3,931	6.47	59,367	7.20
11. Pregnancy and Childbirth	9,009	14.83	97,771	11.86
12. Diseases of Skin and Cellular Tissue	1,223	2.01	15,755	1.91
13. Diseases of Bones and Organs of Movement	800	1.32	19,602	2.38
14. Congenital Malformations	255	0.42	5,180	0.63
15. Diseases and Conditions of Early Infancy†	6,973	11.48	81,122	9.84
16. Senility, Old Age	65	0.11	5,495	0.67
17. Injuries and Accidents	6,072	10.00	86,301	10.47
18. Miscellaneous‡	1,603	2.64	11,498	1.39
19. Ill-Defined Causes	559	0.92	6,965	0.84
All Cases	60,743	100.00	824,525	100.00

*Including diseases of tonsils and adenoids.

†Includes newborn infants.

‡For diagnosis or examination only, not diagnosed or no diagnosis available.

Diseases of the digestive system lead in frequency and days of care with pregnancy and childbearing second. The former includes diseases of tonsils and adenoids (6,983 cases), but even if these are eliminated, only pregnancy and childbearing would exceed it in frequency—it would still rank first in days of care. Accidents and injuries were responsible for 10 per cent. of the cases and days of care among cases terminated during the survey period.

A simple picture of a great part of the total hospitalization and at the same time more specific information as to the diseases and conditions mainly responsible for people seeking hospital care are given by a table of the chief causes of hospitalization. In Table II are given data on the frequency and days of care for the twenty-three causes which led in these two respects during the period studied. Discharges and deaths for adults and infants are included. These cause are arranged in order of frequency and the rank in terms of days of care is shown in comparison. Selection of individual items in the list presented here depended upon the general nature of the various conditions, rather than upon etiology or specificity in clinical terms.

TABLE II

THE CHIEF CAUSES OF ILLNESS AND DAYS OF HOSPITAL CARE DISCHARGES AND DEATHS—ADULTS AND INFANTS

Diagnosis	Frequency			Days of Care		
	Rank	No. Patients	Per Cent.	Rank	No. Days	Per Cent.
Diseases of Tonsils and Adenoids	1	6,983	11.5	13	12,674	1.5
Deliveries, Uncomplicated	2	6,857	11.3	1	79,794	9.7
Newborn Infants	3	6,741	11.1	2	76,065	9.2
Appendicitis	4	4,223	7.0	3	55,561	6.7
Fractures	5	2,493	4.1	4	51,563	6.3
Wounds	6	1,754	2.9	10	13,420	1.6
Cancer (all forms)	7	1,608	2.6	5	42,339	5.1
Diseases of Heart and Arteries	8	1,369	2.3	6	41,754	5.1
Abortion	9	1,167	1.9	17	9,467	1.1
Pneumonia and Bronchitis	10	1,137	1.9	7	22,719	2.8
Hernia	11	861	1.4	8	15,737	1.9
Cellulitis, Abscess	12	715	1.2	22	8,346	1.0
Cholecystitis and Cholelithiasis	13	688	1.1	14	12,504	1.5
Diarrhoea and Enteritis	14	607	1.0	19	9,269	1.1
Diabetes	15	556	0.9	12	12,950	1.6
Diseases of Thyroid Gland	16	540	0.9	16	10,230	1.2
Functional Nervous Diseases	17	455	0.7	11	13,337	1.6
Arthritis (chronic)	18	405	0.7	9	14,059	1.7
Tuberculosis (all forms)	19	379	0.6	15	11,945	1.4
Venereal Diseases	20	337	0.6	20	9,164	1.1
Cerebral Haemorrhage*	21	336	0.6	18	9,340	1.1
Diseases of Prostrate	22	279	0.5	21	8,594	1.0
Osteomyelitis	23	211	0.3	23	7,551	0.9
Total—Specified Causes		40,701	67.0		548,382	66.5
Grand Total—All Causes		60,743	100.0		824,525	100.0

*Includes cerebral embolism and thrombosis.

It is remarkable that 67 per cent. of all completed cases and 66.5 per cent. of all days of care should be included within such a relatively small diagnostic compass. The volume of appendicitis cases is striking—4,223 in *three* months. It alone was responsible for more cases than cancer, pneumonia, diarrhoea and enteritis, and diabetes combined and more days of care than pneumonia, diarrhoea and enteritis, diabetes and abortion together. The significant frequency of abortion is noteworthy—the figures indicate over 4,000 abortions hospitalized per year.

The staggering morbidity due to accidents is further emphasized by the position of fractures and wounds in the list of chief causes. Arthritis and diabetes show a degree of importance, in terms of hospitalization, out of proportion to their frequency.

It will be observed that pregnancy and childbearing, appendicitis, fractures, wounds and cancer, along with diseases of the heart and arteries and pneumonia, together account for almost *half of all* cases and days of care.

(*b*) *Hospital Morbidity by Age and Sex.*

The literature contains a great deal of information on the relation of age and sex to general sickness and accidents. Little or no Canadian data for *hospital* cases are on record. From the Ontario study of public hospital discharges, some illustrative data are available. The male population contributed

25,813 patients or 42.6 per cent. of the total cases and 370,918 days of care or 45.2 per cent. of the total during the period. The excess among females is largely accounted for by hospitalization due to pregnancy and childbearing which alone contributed 15 per cent. of *all* hospitalized cases and 12 per cent. of *all* days of care, and in females 26 per cent. of the cases and 21 per cent. of the days of care.

Table III gives the variations in frequency, duration and average stay by age and sex in the 60,743 completed cases studied.

TABLE III.

HOSPITAL MORBIDITY BY AGE AND SEX—FREQUENCY AND DURATION DISCHARGES AND DEATHS—PUBLIC GENERAL HOSPITALS

Age in Years	Frequency*		Duration*		Days per Patient	
	Male	Female	Male	Female	Male	Female
Newborn	420	431	4,760	4,856	11.3	11.3
Under 1	94	74	1,740	1,224	18.5	16.5
1- 9	42	36	388	308	9.2	8.5
10-19	33	46	392	480	12.0	10.5
20-29	51	130	556	1,420	10.9	10.9
30-39	48	95	644	1,144	13.5	12.1
40-49	46	58	720	960	15.7	16.4
50-59	52	56	947	992	18.1	17.6
60-69	60	57	1,492	1,308	25.0	22.9
70-79	74	59	1,976	1,284	26.8	23.4
80+	83	55	2,296	1,896	27.6	34.6
All Ages	55	77	788	1,000	14.4	13.0
	66		892		13.5	
Adults Only	48	71	720	936	14.8	13.1
	60		824		13.8	

*Annual rates per 1,000 estimated population by sex at ages and per 1,000 live births.

The chief points to be observed in respect to relative frequencies by age and sex are:

1. Lowest frequencies at ages 1-9 years in females and at 10-19 years in males.
2. Steadily increasing frequency with increasing age in males beyond 40 years not observed in the female group.
3. Maximum frequency in females at the childbearing ages.
4. Forty per cent. higher frequency in females all ages over that for all males.
5. Male excess at ages 1-9 years and 60 years and over with a female excess at the intervening ages, most marked during the childbearing period when the ratio of female to male cases is as much as two and a half to one.

The days of care expressed per 1,000 population of each sex and age, correspond closely to the relationships observed for frequency of cases. The volume of care increasing steadily with age (after the first year) among males. Among females there is also an increase with age, a trend obscured only by the hospitalization associated with pregnancy and childbearing at ages 15-49 years. These data confirm the fact that hospitalization among females exceeds that among males at ages 20-49 years and that the burden of hospital care among the general population increases as age advances.

To ascertain the influence of childbearing and diseases and conditions associated with it, on the female incidence and duration, the cases and days for all puerperal causes were deducted from the totals in the age groups 10-49 years. The figures thus corrected are given in Table IV.

TABLE IV.

FEMALE HOSPITAL MORBIDITY—NON-PUERPERAL CAUSES
DISCHARGES AND DEATHS—AGES 10-49 YEARS

Age in Years	Patients		Days		Days per Patient
	Number	Rate*	Number	Rate*	
10-19	3,175	38	33,273	396	10.5
20-29	3,536	48	49,765	680	14.0
30-39	3,436	52	44,293	676	12.9
40-49	2,891	51	49,396	876	17.0

*Annual rates per 1,000 estimated female population at ages.

These data are more in line with the male figures in Table III, though *all* the female excess at childbearing ages is not eliminated. It is obvious, however, that almost all of such female excesses are due to or associated with conditions or diseases of pregnancy, childbearing, and the puerperal state.

Tables III and IV show that not only do case frequency and volume of care increase but the length of stay in hospital also increases with age. It is necessary to emphasize the importance of variation in types of illness at ages on such data. The large volume of short stay cases in the younger groups (diseases of tonsils and adenoids, etc.), has an important bearing on the findings. Such things are, of course, the factors inherent in the age-health relationship. From age 20-29 on, there is a steady increase in the average stay per completed case (i.e., discharges and deaths). The average stay of the male cases is equal to or greater than that for females in all but three age groups—20-29 years, 40-49 years and 80 years and over. These age and sex relationships present a remarkably regular trend despite the broad age bands employed.

Application of these data on incidence or frequency should be made with the limitations attaching thereto by reason of the short period covered, clearly in mind.

(*c*) *A Hospital Morbidity Code for General Use.*

Considerable work has been done, particularly in the United States, toward the development of a classified list of diagnosis which might be used in the tabulation of data collected in various morbidity surveys. The Dominion Council of Health in 1937 appointed a Special Committee on a National Morbidity Code to look into this whole question and to prepare a report. In the hospital survey now being completed by this Division, and which covered over 70,000 patients, a detailed list of 1,300 diagnoses was employed in classifying the cases by cause. From this and on the basis of experience in its use a preliminary draft of a proposed classified list for hospital use was prepared in 1937. This list contained 474 items and formed the basis of the short list for national use in general morbidity tabulation (containing 331 items) which was prepared for the Dominion Council of Health by its Special Committee, of which the Director is Secretary. This list and the report pertaining thereto were both endorsed by the Council in 1938.

It is now planned to meet the needs of Ontario Public General Hospitals particularly, by preparing a short list adaptable to hospital needs and containing not more than 500 rubrics. This list will be elaborated during 1940, and will be analagous to the National List, deviation from it being only *in detail* and not in the order or content of the major titles or classes. Other corresponding efforts are those of Dr. Joseph Berkson, of the Mayo Clinic, and the recently published classified list of the Welfare Council of New York based on the discharges from hospitals in New York City during 1935.

III. Ontario Mental Hospitals

The existing statistical machinery in Ontario Hospitals is such that each institution submits to the central Department (a) a monthly statement indicating the movement of patient population during the month, and (b) a complete annual statistical report (30 tables). These two sources of information, together with reports of admissions, discharges, probations, transfers, deaths, laboratory work, dental services, and accidents, provide the raw data necessary for administrative and research needs.

(*a*) *Recording and Tabulation.*

During 1939, the annual report forms used in all Ontario Hospitals were revised and extended in order to provide for additional information on discharges and deaths. These latter are now both sub-classified into first and readmissions. Many other changes were introduced, modifying previous practice on the basis of clinical and administrative experience.

In keeping with this revision of the annual report forms, a memorandum on the use of these schedules was prepared with a view to facilitating their use and assuring the accuracy and uniformity of the compilations in each institution. The memorandum incorporates definitions of the terms used in the annual report forms and is prepared specifically for Ontario needs, supplementing in this way the manual issued by the National Committee for Mental Hygiene.

The admission, discharge and transfer cards in use in Ontario Hospitals, have also been revised during the year, making them more convenient in form and arrangement. The order of presentation of facts on the cards is similar to that followed in the statistical face sheet of the various hospital forms. The new arrangement has been found by hospital staffs and by the Dominion Bureau of Statistics to be most advantageous.

(*b*) *Reports and Analyses.*

The preparation of special monthly reports on the movement of population, accidents, bed occupancy, etc., in each institution is a responsibility of this Division together with other supplementary periodic analyses of admissions, discharges and population trends which are of administrative interest.

The first bulletin on Ontario Hospital Statistics was issued on March 16, 1939, and dealt with the trend in patient population in each Ontario hospital during the past twenty-five years. A second bulletin on population movement during the calendar year 1939 was also prepared, indicating the necessary adjustments brought about since August.

In June, a special study was made of all patients with general paresis or cerebral syphilis in Ontario Hospitals. Reports were collected on 500 patients. The principal findings of the analysis conducted by this Division were prepared for presentation and publication.

In the seventy-first annual report for Ontario hospitals covering the fiscal year ending March 31, 1938, and prepared by this Division during 1939, discharge rates by diagnosis and hospital were presented for the first time. These rates were expressed per 100 admissions and per 1,000 patients under treatment. Similar tables were also incorporated for deaths and discharge rates were also computed, by the condition on discharge for selected psychoses.

Tabulation and analysis of mental health clinic records, now a function of this Division, continue to be compiled on the original basis. There are over 3,000 such reports each year and a new plan of tabulation is in process of evolution in order to extend the scope of possible usefulness of the data collected.

A special Departmental alphabetic index was prepared in November of this year covering all males who, in September, 1939, were between the ages of 16 and 44 years and who at one time had been in an Ontario Hospital or been examined by a mental health clinic operated by the Department. This index contains the full name of each person, the name of the hospital or clinic, age or date of birth, place of birth and date examined or discharged. Machinery is in effect for keeping the Index up to date by adding current discharges, probationers and new clinic cases.

IV. General Statistics

The favourable response which attended the preparation by this Division in 1938 of a commentary on the leading causes of death by age, led to the issuing in December, 1939, of a similar review dealing with mortality in the Province during 1938. This review was distributed among others to 150 health officers in the larger towns and cities throughout the province. It is also being used in the preparation of material for health teaching distributed to teachers and nurses throughout the Province. This data is appended to this report.

During 1938, the maternal and infant death rates, as well as the mortality from tuberculosis, were the lowest recorded in the Province to date. In respect to the first of these three, a review of experience during the six years 1933 to 1938 was completed and a survey of infant mortality in the Province from 1909 to 1938 begun in 1938 was continued.

In connection with public health administration in the Province, this Division has undertaken during 1940 to tabulate and analyze the annual reports of over 700 municipal health officers. This analysis will be concerned more particularly with the costs of public health administration and with the development of health indices for local use.

A growing volume of statistical work continues to be done by this office in co-operation with other Divisions and requests for information or for direction in tabulation and analysis come from every Division in the Department. The scores of requests for the information or assistance which were received during the year from within as well as outside the Department in respect to a wide variety of subjects including the preparation of statistical diagrams and maps, are indicative of the service available and rendered. In this sense the Division's activities are of a co-ordinating character and the time spent in this way is most effective in assuring the best approach to a problem or the securing of the maximum out of any available data. Facilities are available for the preparation of data on all phases of mortality and a constant effort is made to be assured of having on hand all new statistical data in the health field.

The Division assisted during the year in the preparation of two exhibits—one on Communicable Disease Reporting for the annual meeting of the Ontario Health Officers Association and the Ontario Medical Association in June, and one on Hospitals and Departmental Services to Physicians for the sessions of the American Hospital Association in September.

The activities of the Division of Medical Statistics are thus divisible into (a) routine tabulation and analyses; (b) special statistical work arising in connection with administrative problems, including supervision of cancer recording in the seven cancer centres, and (c) statistical research. With the completion of the public hospital survey in 1940, extension of activities in the general field of public health administration and epidemiology will be possible. Many statistical studies are awaiting prosecution—a 5 year study of maternal and infant deaths and stillbirths in Ontario, a study of venereal disease morbidity, the preparation of a manual on Health Statistics for Ontario—a complete review of mortality and morbidity from 1900 to date, etc. Many of these projects will be begun or completed during 1940.

Publications During the Year

1. Pneumonia in Ontario, a 25-year review of mortality—Canad. Pub. Health J. 30; 73, 1939.
2. The New United States Registration Certificates, Canad. Pub. Health J. 30; 111, 1939.
3. The Classification of Joint Causes of Death, Canad. Pub. Health J. 30; 112, 1939.
4. A Study of 456 Diabetes Deaths (collaborator)—Canad. Pub. Health J. 30; 435, 1939.
5. Experience of V. O. N. with Cases of Pregnancy (collaborator)—Am. J. Pub. Health, 29; 248, 1939.
6. Cancer Review, 1938—Analysis of New Clinic Cases.
7. Hospital Survey, Part II—General Statistics 1900-1938.
8. Hospital Survey, Part III—Financial Statistics, 1900-1938.
9. Special Memoranda on Cancer Recording and Mental Hospital Recording.
10. Review of Mortality in Ontario, 1938, by age groups.
11. The Contribution of the Ontario Cancer Centres to the Control of Cancer—In the press.

THE CHIEF CAUSES OF DEATH IN ONTARIO DURING 1938

Based on official recorded mortality data for 1938, two tables are presented indicating the principal causes of death at various ages in order to draw attention to the more important features of mortality experience during the year. The various statistics for the Province as a whole may serve as *rough* yardsticks against which local health progress can be gauged.

The crude death rate for 1938 was 9.89 per 1,000 population, or 5 per cent. below that for 1937. This decrease was due in large measure to the decline in deaths attributed to influenza.

In Table V are presented the twenty chief causes of death at all ages. For each "cause" the number of deaths recorded, the specific death rate per 100,000 population and the per cent. of all deaths due to the specified cause are shown. These twenty causes or groups of closely associated clinical entities together contributed 31,134 deaths or 84.4 per cent. of the 36,890 deaths during the year.

TABLE V.

CHIEF CAUSES OF DEATH—ALL AGES
ONTARIO—1938

Rank	Cause of Death	Int'l. List Numbers	Number of Deaths	Specific Death Rate*	Per Cent. of Total Deaths
1.	Diseases of the heart	90-95	7,354	197.1	19.9
2.	Cancer (all forms)	45-53	4,472	119.9	12.1
3.	Diseases of the arteries	96-99	4,083	109.4	11.1
4.	Pneumonia and bronchitis.	106-109	2,583	69.2	7.0
5.	Accidental Causes	176-195	2,347	62.9	6.4
6.	Nephritis	130-132	1,900	50.9	5.2
7.	Tuberculosis (all forms)	23-32	1,237	33.1	3.4
8.	Prematurity	159	1,010	27.1	2.7
9.	Cerebral haemorrhage embolism and thrombosis	82	790	21.2	2.1
10.	Idiopathic abnormalities of blood pressure	102	774	20.7	2.1
11.	Influenza	11	618	16.6	1.7
12.	Diabetes mellitus	59	584	15.7	1.6
13.	Diarrhoea, enteritis and dysentery	13, 119 & 120	544	14.6	1.5
14.	Congenital malformations	157	499	13.4	1.4
15.	Diseases of the prostate	137	493	13.2	1.3
16.	Senility	162	475	12.7	1.2
17.	Hernia, intestinal obstruction	122	386	10.3	1.0
18.	Suicide	163-171	360	9.6	1.0
19.	Appendicitis	121	330	8.8	0.9
20.	Ulcer of stomach and duodenum	117	295	8.3	0.8
	Total		31,134	8.35†	84.4
	All other causes		5,756	1.54†	15.6
	GRAND TOTAL		36,890	9.89†	100.0

*Rates per 100,000 population.
†Rates per 1,000 population.
Population of Ontario 1938 (estimated) 3,731,000.

Diseases of the heart, arteries and kidneys contributed 36.2 per cent. of all deaths, most of which occurred at ages over 70 years. The phenomenal increase in recorded deaths from these causes in the last twenty years is largely, if not entirely, unreal. Older age structure of the population, transfer of many deaths from senility and ill-defined causes and more detailed certification all having contributed to the *apparent* increase.

Cancer was recorded as the cause of 4,472 deaths or 12.1 per cent. of the total, the crude death rate being slightly lower than the peak reached in 1937. One-third of all cancer deaths occur at ages under 60 years and 60 per cent. under 70 years. In this connection it is noteworthy that over 2,000 new cancer cases are being treated each year in the seven Ontario Cancer Centres. Most of these cases are cancers of the so-called accessible sites (breast, cervix uteri, oral cavity and skin). Much can be accomplished especially in cancer of certain sites if diagnosis and established methods of treatment are effected promptly.

Respiratory disease mortality showed a substantial decline in 1938 due to the marked drop in recorded deaths from influenza. In 1937, there were 1,659 deaths from influenza and 13,330 reported cases, while in 1938 there were only 618 deaths and 943 cases reported. Pneumonia must be regarded as an important problem *at all* ages. It ranks first with accidental cases at ages 1-4 years and second only to accidents at ages 5-14 years.

Accidents continue to be a leading cause of death. This is so not only in the volume of deaths thereto attributed but in the prominent part which deaths in this category (accidental burns, drowning and motor accidents, etc.), play at ages under 50 years. From the first year of life to age 50 years—accidents rank first as the chief cause of death—exceeding all other causes by a substantial margin. Increasing interest is being taken in this field by public health groups and a recognition of the importance of the problem is fundamental.

Tuberculosis mortality reached a new low point in 1938 with 1,237 deaths—a rate of 33.1 per 100,000 population. An appreciable decline was registered at ages 20-49 years and this is of special interest. The tuberculosis death rate is now but one-fifth of what it was at the beginning of the century. Despite this remarkable development, four-fifths of the deaths from tuberculosis which occurred in 1938 were at ages under 60 years, and over one-half were at ages 20-49 years. These facts mark tuberculosis as still a public health problem of first importance.

Prematurity was recorded as the cause of 1,010 infant deaths during the year. This is one-third of all deaths under 1 year of age. The direction of attention to the underlying causes responsible for premature birth is the only way in which a material reduction may be brought about, though certainly prompt care of the premature infant by modern techniques has and will continue to offer much.

Diabetes ranks twelfth in the list of chief causes shown in Table I with 584 deaths. More than 85 per cent. of these deaths were among persons over 50 years of age and three quarters at ages 60 and over. Attention has recently been directed to this trend and to the influence of present statistical practice upon recorded deaths from diabetes (Canad. Pub. Health J. 30; 435, 1939).

Diarrhoea, enteritis and dysentery were responsible for 544 deaths, of which over 60 per cent. were at ages under 2 years. Marked improvement has been recorded in such mortality in the last fifteen years, reflecting undoubtedly progressive general public health measures and increasing interest in infant hygiene.

Appendicitis caused fewer deaths in 1938 than in the two previous years. Of the 330 deaths attributed to this cause, however, 60 per cent. were at ages under 50 years and 33 per cent. at ages under 20 years. As a cause of sickness too, appendicitis is of great importance especially at ages under 40 years, many thousands of persons at these ages being hospitalized each year with acute or chronic attacks of the disease.

CHIEF CAUSES OF DEATH BY AGE GROUPS

In Table VI are presented the eight chief causes of death in each of a series of age groups—infancy, pre-school and school life, adolescence, and the age periods 20-49 years, 50-59, 60-69 and 70 years and over. Four columns of figures are given in each table—the number of deaths from each specified cause in the age group concerned, the percentage of the deaths which were due to that cause, the number of deaths from the specified cause at all ages, and the per cent. of all deaths from the specified cause which occurred at the specified age.

Infancy—Infant mortality (deaths under one year per 1,000 live births) declined to a new low in Ontario history during 1938, at 49.6 per 1,000 live births. This is a reduction of almost 10 per cent. below the level for the two preceding years. Leading causes remained unchanged—prematurity, malformations, and other diseases peculiar to early infancy making up two-thirds of all deaths in the first year of life. Pneumonia and diarrhoea and enteritis ranked third and fourth respectively and these two groups of preventable deaths comprised 20 per cent. of all infant deaths.

The Pre-School Age Group—Pneumonia and accidents each contributed one-fifth of all deaths at these ages. Five of the chief causes of death at ages 1-4 years are of a preventable nature. Accidents (principally drowning, motor accidents and accidental burns), pneumonia and influenza, diarrhoea and enteritis, tuberculosis and whooping cough together were responsible for 59.1 per cent. of all deaths in the pre-school group.

School Ages—Accidents, pneumonia, appendicitis, tuberculosis and acute rheumatic fever in that order, lead the list of chief causes of deaths at ages 5-14 years. The toll of accidents at these ages is striking. It is equal to the deaths from pneumonia, appendicitis, tuberculosis and acute rheumatic fever combined. One-sixth of all deaths from appendicitis during 1938 occurred at these ages.

Adolescence—In this age group two causes stand out prominently. These are accidents and tuberculosis (all forms). To accidents, again first at these ages, were attributed as many deaths as to tuberculosis, appendicitis, and penumonia combined. Deaths from accidents have risen substantially at these ages since 1936 when only 79 deaths were so classified. In 1936, tuberculosis ranked first with 93 deaths—now accidents rank first and tuberculosis second. Other causes in order of prominence were appendicitis, pneumonia, and acute rheumatic fever.

Ages 20-49 Years—Tuberculosis was displaced for the first time in 1938 as second among the chief causes of death at these ages, by diseases of the heart. The improvement in tuberculosis mortality and the volume of heart disease deaths, even at these ages, command interest. Of all tuberculosis deaths, 54 per cent. fell in this age group and 68 per cent. at all ages under 50 years. Cancer, too often regarded as a disease of later life, was responsible for 12.1 per cent. of the deaths in this age group. Of these deaths, 60 per cent. were in females, and cancer of the breast (106), uterus (93) and digestive tract (246) contributed the major portion.

Ages 50 and Over—In the age groups 50 and over, diseases of the heart, arteries and cancer, assume greater prominence. At ages 50-59 and 60-69 years, one-quarter of all deaths were classed to diseases of the heart and one-fifth to cancer. Further details regarding these age groups can be obtained from the appropriate sections of Table VI.

This resume of the highlights is designed merely to give a general view of Ontario's mortality experience and may be supplemented by data available directly from the tables, or in the Registrar-General's detailed report for 1938. The eight chief causes shown for each age group make up at least three-fifths of all deaths and it may be assumed, therefore, that the principal facts of the mortality picture are covered.

Chief among the noteworthy developments during 1938, therefore, were:

(a) A new low in the tuberculosis death rate—33.1 per 100,000 population.
(b) A new low in the infant mortality rate—at 49.6 per 1,000 live births.
(c) A new low maternal death rate—3.8 per 1,000 live births.

Progressive health programmes may reasonably be presumed to have been a major factor in these favourable developments. A fuller assessment of the improvement in maternal mortality must await further experience in succeeding years.

TABLE VI.
CHIEF CAUSES OF DEATH—CERTAIN AGE GROUPS
ONTARIO, 1938

Cause of Death	Deaths in Age Group	Percent. of Deaths in Age Group Due to Specified Cause	Deaths Due to Specified Cause at All Ages	Percent. of Deaths Due to Specified Cause in Age Group
Age—Under 1 year	3,245	....	....	....
1. Prematurity	1,010	31.1	1,010	100.0
2. Congenital malformations	446	13.7	499	89.4
3. Pneumonia and bronchitis	392	12.1	2,583	15.2
4. Diarrhoea, enteritis and dysentery	292	9.0	544	53.7
5. Injury at birth	289	8.9	289	100.0
6. Dis. pec. to early infancy*	215	6.6	215	100.0
7. Congenital debility	111	3.4	111	100.0
8. Influenza	65	2.0	618	10.5
TOTALS FOR 1-8	2,820	86.9	5,869	48.0
Ages—1-4 years	728	....	....	....
1. Pneumonia and bronchitis	142	19.5	2,583	5.5
2. Accidental causes	142	19.5	2,347	6.1
3. Diarrhoea, enteritis and dysentery	52	7.1	544	9.6
4. Tuberculosis (all forms)	42	5.8	1,237	3.4
5. Congenital malformations	29	4.0	499	5.8
6. Influenza	28	3.8	618	4.5
7. Whooping cough	25	3.4	88	28.4
8. Appendicitis	19	2.6	330	5.8
TOTALS FOR 1-8	479	65.8	8,246	5.8
Ages—5-14 years	714	....	....	....
1. Accidental causes	199	28.0	2,347	8.5
2. Pneumonia and bronchitis	63	8.8	2,583	2.4
3. Appendicitis	53	7.4	330	16.1
4. Tuberculosis (all forms)	53	7.4	1,237	4.3
5. Acute rheumatic fever	30	4.2	165	18.2
6. Cancer (all forms)	22	3.1	4,472	0.5
7. Diseases of heart	20	2.8	7,354	0.3
8. Nephritis	19	2.7	1,900	1.0
TOTALS FOR 1-8	459	64.3	20,388	2.3
Ages—15-19 years	491	....	....	....
1. Accidents	132	26.9	2,347	5.6
2. Tuberculosis (all forms)	76	15.5	1,237	6.1
3. Appendicitis	33	6.7	330	10.0
4. Pneumonia and bronchitis	25	5.1	2,583	1.0
5. Acute rheumatic fever	20	4.1	165	12.1
6. Puerperal state	18	3.7	251	7.2
7. Nephritis	18	3.7	1,900	0.9
8. Diseases of the heart	17	3.5	7,354	0.2
TOTALS FOR 1-8	339	69.0	16,167	2.1

*Under 3 months of age.

TABLE VI—Continued

CHIEF CAUSES OF DEATH—CERTAIN AGE GROUPS

ONTARIO, 1938

Cause of Death	Deaths in Age Group	Percent. of Deaths in Age Group Due to Specified Cause	Deaths Due to Specified Cause at All Ages	Percent. of Deaths Due to Specified Cause in Age Group
Ages 20-49 years	5,514	....	....	....
1. Accidental causes	697	12.6	2,347	29.7
2. Diseases of the heart	687	12.5	7,354	9.3
3. Tuberculosis (all forms)	670	12.2	1,237	54.2
4. Cancer (all forms)	667	12.1	4,472	14.9
5. Pneumonia and bronchitis	358	6.5	2,583	13.9
6. Nephritis	242	4.4	1,900	12.7
7. Puerperal state	232	4.2	251	92.4
8. Appendicitis	104	1.9	330	31.5
Totals for 1-8	3,657	66.3	20,474	17.9
Ages—50-59 years	4,333	....	....	....
1. Diseases of the heart	1,075	24.8	7,354	14.6
2. Cancer (all forms)	845	19.5	4,472	18.9
3. Diseases of the arteries	248	5.7	4,083	6.1
4. Pneumonia and bronchitis	239	5.5	2,583	9.3
5. Accidental causes	232	5.4	2,347	9.9
6. Nephritis	232	5.4	1,900	12.2
7. Tuberculosis (all forms)	160	3.7	1,237	12.9
8. Abnormalities of blood pressure	136	3.1	774	17.6
Totals for 1-8	3,167	73.1	24,750	12.8
Ages—60-69 years	6,462	....	....	....
1. Diseases of the heart	1,702	26.3	7,354	23.1
2. Cancer (all forms)	1,181	18.3	4,472	26.4
3. Diseases of the arteries	717	11.1	4,083	17.6
4. Pneumonia and bronchitis	369	5.7	2,583	14.3
5. Nephritis	339	5.2	1,900	17.8
6. Accidental causes	236	3.7	2,347	10.1
7. Abnormalities of blood pressure	208	3.2	774	26.9
8. Diabetes	171	2.6	584	29.3
Totals for 1-8	4,923	76.2	24,097	20.4
Ages 70 and over	15,381	....	....	....
1. Diseases of the heart	3,829	24.9	7,354	52.1
2. Diseases of the arteries	3,052	19.8	4,083	74.7
3. Cancer (all forms)	1,735	11.3	4,472	38.8
4. Nephritis	1,038	6.7	1,900	54.6
5. Pneumonia and bronchitis	994	6.5	2,583	38.5
6. Accidental causes	647	4.2	2,347	27.6
7. Cerebral haem. emb. and thrombosis	496	3.2	790	62.8
8. Senility	475	3.1	475	100.0
Totals for 1-8	12,266	79.7	24,004	51.1

LIBRARY

FREDRITA HENLEY WRIGHT, *Librarian.*

During the year under review, the Central Library continued its policy of co-operation. Requisitions for bound books and journals, as handled through the Central Library, included those for the use of the fourteen mental hospitals and five of the branch laboratories. All technical books purchased for the Hospital Libraries were received in the Central Library and catalogued in the central catalogue of hospital books. Duplicate library cards for the individual hospital catalogues were forwarded to the hospital, together with each book purchased. In this way each hospital catalogue is kept up to date; and all books are available to the staff of each hospital through the Central Library.

Bibliographies were prepared and forwarded to staff members, while requests for reference material accounted for an increasingly large part of the daily routine. The clipping service was continued whereby three Toronto daily papers were read and items of departmental interest clipped for distribution to the various divisions. The loan service of books, journals and pamphlets was utilized to a greater extent than in any previous year.

ACCESSIONS

During 1939 the following accessions were made:

CENTRAL LIBRARY

Books purchased	88	
Journals	152	vols.
Reports	104	
Pamphlets	1,213	
Total	1,557	

Subscriptions to journals for the year numbered 106; while the Library received 20 complimentary subscriptions; a total of 126.

ONTARIO HOSPITALS

Books purchased	
Medical	71
Fiction	
New	....
Library discards	1,150
Journal subscriptions	121
Year Books	10
Periodicals	
New (subscriptions)	147
Unsold (copies)	8,676
Newspapers (subscriptions)	142
Total	10,317

LOAN SERVICE

There were 5,055 loans made by the Central Library in 1939, an increase of 108 over the previous year when the loans reached a total of 4,947. Within the immediate Department requests for loans were met to the number of 3,535. To the outside service the Central Library dispatched 1,520 references, which figure represents an increase of 436 over the previous year. This item is most gratifying as it indicates the importance and increased demand for the loan service from the Central Library as a medium for staff education. Physicians, Nurses, Occupational Therapists, Dietitians and Social Workers connected with hospital administration and mental health clinics have all been represented in the group seeking help along professional and technical lines.

Loan service during 1939 included also the directors and staffs of the Branch laboratories of the Department.

CIRCULATION OF JOURNALS

During 1939 there was maintained the regular monthly service whereby journals on tuberculosis were circulated to the clinicians in charge of the Provincial Travelling Chest Clinics at North Bay, Belleville, Ottawa and Timmins. In this service was also included the Tuberculosis Unit at New Toronto, recently moved to the Ontario Hospital at Woodstock.

To the seven Ontario Hospitals doing special work on schizophrenia the Central Library has given special service. This has been accomplished through the circulation, immediately upon receipt in the library, of all articles dealing with metrazol and cardiazol in the treatment of this condition. In addition to the above group the Ontario Hospital at St. Thomas also received this service during the time it was in operation. The service ceased with the transfer of the hospital in October.

Journals dealing with medicine and various fields of public health were also circulated to the officer in charge of public health administration for the north-western section of the Province and located at Fort William.

The Branch Laboratories at North Bay, Fort William, Sault Ste. Marie, Peterboro and Ottawa also received a regular service, while the nursing staff of the Eastern Ontario Health Unit received "Public Health Nursing" and "Parents" each month.

A new item of importance in the circulation service during 1939 was the inclusion of the Ensol Laboratory at Kingston, to which institution scientific and medical journals in the field of cancer research are now forwarded regularly.

LIBRARY BULLETIN

The number of copies of the "Library Bulletin" distributed each month reached a total of 225 during 1939. This bibliography was prepared monthly. It kept the departmental and hospital staffs informed on current literature having a bearing on their specific work; it carried reviews of texts and references as published; and it listed recent accessions to the library.

Publication of the Bulletin was discontinued with the September issue.

PATIENTS' LIBRARIES

The Central Library purchased a total of 1,150 library discards to be added to the patients' libraries in the Ontario Hospitals. This included 500 books for the setting up of the new library at the Ontario Hospital at St. Thomas. The books purchased for St. Thomas were later transferred to form a library for the Tuberculosis Unit at the Ontario Hospital, Woodstock.

Through special terms of purchase with a Toronto News Agency, 8,676 unsold periodicals were delivered to the various hospitals. In addition, the patients were sent 2,650 newspapers. These were donated to the patients through the kindness of Toronto publishers who delivered them to the Central Library where they were apportioned and re-shipped to the hospitals.

ONTARIO HEALTH OFFICERS' ASSOCIATION

At the 1939 Conference of the Ontario Health Officers' Association which was held this year in Toronto and in conjunction with the Canadian Public Health Association, the Central Library again took the responsibility for a Library Unit. This functioned during the entire Conference. A sample set of the publications of the Department was assembled and pasted in a large scrap-book. The selection included all legislation and forms prescribed for use by local health officers. Requests for literature were accepted at the booth. A total of 7,650 pieces of material were handled in the filling of these orders which were sent out from head office following the conference. A comprehensive collection of bound books and current journals made the display a most interesting one. The greater number of books were taken from the shelves of the Central Library; these, however, were augmented by later editions and new reference works which were loaned for the duration of the meeting by Toronto publishers. This co-operation was most generously given and added to the value of the display. The Library Unit of the Annual Conference, has now become a feature which is patronized by medical officers of health, public health nurses, sanitary inspectors, laboratory technicians and other public health workers, all of whom appreciate the opportunity thus afforded to examine books and references which they may later requisition from their respective health organizations. Its service is appreciated by the membership who use it constantly throughout the duration of the Conference and who return from year to year to check up on publications issued since the previous meeting.

SUMMER COURSE IN HEALTH EDUCATION

The Library again contributed to the special library compiled for the use of the teachers enrolled in the Summer Course in Health Education. This special library is of considerable help to the students and is much appreciated by them. The attendance at the 1939 session was 153 teachers from the elementary schools of the Province.

DIVISION OF EPIDEMIOLOGY

H. A. ANSLEY, M.B., D.P.H., *Director.*

The details of the varied activities of the Division may be found in this report under the following headings:

I. PREVALENCE OF DISEASE.

Reporting of Communicable Diseases.

Annual Statement of Disease prevalence.

Prevention and control of outbreaks.

Special studies in the epidemiology of diseases.

Diagnostic and consultative work in infectious disease control.

II. DISTRIBUTION OF LITERATURE.

Provision of field records for Local Health work.

Health Education in Infectious Diseases.

III. LOCAL HEALTH ADMINISTRATION.

This includes the work done by the staff of this Division under the supervision of the Chief Medical Officer of Health, relative to the problems and personnel of Local Boards of Health.

IV. DISTRIBUTION OF BIOLOGICAL PRODUCTS AND INSULIN

I. PREVALENCE OF DISEASE.

Legislation—Regulations for the control of infectious diseases remained the same except for the addition of Regulations for the Control of Typhoid and Paratyphoid Fever.

General Reporting of Diseases—There are forty-six infectious diseases reportable in the Province of Ontario, and with the exception of veneral diseases and tuberculosis, the work associated with the study of any or all of these diseases as well as the prevention and control of outbreaks, may rightly be regarded as falling within the field of activities of the Division of Epidemiology.

Information for the Province as a whole regarding the occurrence of these diseases is derived from the reports of (a) organized municipalities through the Local Boards of Health, (of the nine hundred organized, an average of six hundred and fifty municipalities regulary report weekly); (b) unorganized territories through the practicising physicians and the Provincial Sanitary Inspectors for these areas.

A survey of local health records with special regard to the reporting forms, for the use of physicians and Secretary of the Local Board of Health for keeping the records, was begun during the year as many requests for the former have come to our attention during the year. In order to encourage better reporting, a pamphlet on the methods and the value of the reporting of cases and deaths was prepared by the Staff of the Division and given out to the physicians in connection with an exhibit which was prepared on case-reporting for the Annual Meeting of the Ontario Medical Association in Hamilton in June, 1939.

Forms were also prepared and are now in use for notifying Local Boards of Health of cases and/or deaths coming directly to the attention of this Division in order that the records of the Local and Provincial Departments will be comparable.

Reporting by Laboratories—One of the most important sources of information as to cases and deaths is through the follow-up of positive Laboratory Reports, received by this Division from the Central Provincial Laboratory and its seven branches.

Up to the present time it has not been possible to include hospital and private laboratories, on a voluntary basis, in this reporting scheme, but it is hoped that early in the ensuing year this very valuable source of information may be added to the present sources.

Each positive laboratory report received for cases and deaths of Typhoid, Paratyphoid, Dysentery, Undulant Fever, Tularemia, Poliomyelitis, and Diphtheria and negative reports as well for the "release" of patients from Enteric Disease restrictions, are followed up. One illustration of the value of this is shown under the section in this report dealing with Typhoid Carriers, where it is noted that by this method twenty carriers of enteric disease have been discovered this year and placed under the proper supervision.

— ANNUAL STATEMENT OF THE PREVALENCE OF DISEASES —

The following statistical tables are presented showing the incidence of the major communicable diseases. The trend of the incidence may be found by consulting the tables showing the incidence over the past five years.

— POLIOMYELITIS —

Two hundred and nineteen cases only were reported during 1939. The bulk of the incidence was due to an unusual number of cases of this disease being reported from Essex and Lambton Counties, where the disease had not shown an increased prevalence during the 1937 outbreak elsewhere in the Province. (See Special Studies page 85).

The tables below present certain facts relative to the disease incidence:

ANALYSIS OF POLIOMYELITIS CASES 1939

Age Groups by Years	Sex		Total
	Male	Female	
0– 1	1	3	4
1– 4	31	20	51
5– 9	32	21	53
10–19	25	17	42
20–29	7	5	12
30–39	2	0	2
40–49	1	0	1
50 and Over	0	0	0
Age not stated	34	18	52
Age and Sex not stated	—	—	2
Total	133	84	219

POLIOMYELITIS CASES BY MONTHS OF ONSET, 1939.

Type of Case	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov	Dec.	Month not Known	Total
Paralyzed........	0	1	0	0	1	2	19	18	36	13	5	1	23	119
Non-Paralyzed	0	1	0	0	0	1	12	13	15	4	2	0	14	62
Not stated..... .	0	0	0	0	0	2	3	3	9	4	3	0	14	38
Totals..........	0	2	0	0	1	5	34	34	60	21	10	1	51	219

While it was not anticipated that a major epidemic would occur in 1939, still the programme for the care of cases was begun well in advance of the season of greatest incidence.

The Medical Health Officers of the Province were circularized early in the summer advising them of the 1939 programme regarding the after care of poliomelitis cases.

In order to add effectiveness to the programme a "Policy Letter" outlining the above was sent to each physician—except to the staff of the larger hospitals—as each new case of poliomyelitis was reported. In all, 171 such policy letters were sent.

The policy was briefly as follows:

Splints and Frames.

Standard splints and frames for the use of paralyzed cases were provided free of charge by the Department upon the request of the attending physician. These spints and frames are sent out by the Hospital for Sick Children, which institution notifies this Division of each shipment, thus enabling a further check on case-reporting as well as on the scope of the service. A total of 86 patients were provided with splints and frames during the year.

Hospitalization.

A 3 weeks period, in any of the following hospitals, namely, Metropolitan General Hospital, Windsor; Victoria Hospital, London; Hospital for Sick Children, Toronto; was provided for cases remaining paralyzed subsequent to the period of isolation. The 3 weeks post-isolation hospitalization was supplied to 85 patients in order to give instructions in after care and to supply splints and/or frames.

Respirators.

Respirators, owned by the Department, were placed at strategic centres throughout the Province and were kept available for emergency or suitable cases. 12 of the 18 respirators were transferred over a total of 4,629 miles, in large part for the emergency treatment of cases and to a small extent for the maintenance and repair of the respirators. (This is inclusive of the 4 respirators loaned as an emergency measure to the City of Buffalo, N. Y., at the request and expense of the local health authorities of that City).

— TYPHOID FEVER —

In 1939, in the Province, there were 119 reported cases of Typhoid Fever and a total of 156 cases (the increase representing the results of the follow-up work by means of positive laboratory reports). This is approximately a 50% reduction in the number of cases reported for the corresponding period in 1938.

Only three persons in every one hundred thousand of the population developed Typhoid Fever in 1939, the lowest morbidity rate ever experienced in the Province.

The chief outbreaks during the year were at Hamilton, Goderich, and Dashwood in Southern Ontario accounting for twenty cases and two deaths; and Fort William, Hearst, Ombabika and Olive Township in Northern Ontario, accounting for fifteen cases and one death.

Hale:—Three cases of Typhoid Fever occurred a month apart at Hale, which is in unorganized territory, and at which place is located a Lumber Company Camp. In one section of this Camp, away from the main camp, one hundred and fifty men were employed in cutting wood. The drinking water supplied for the Camp was chlorinated and the food supplied to the men was obtained from the main camp. These men, along with one hundred and fifty others, all partook of the same food and water. It was found by the physician in charge of the camp that some of the men were in the habit of drinking swamp water in the bush section near their work. The cases were all removed to the hospital at Hearst for treatment. Two of these are still Convalescent Carriers and are under supervision of the Local Department of Health.

Hearst:—In the town of Hearst, three cases of Typhoid Fever developed in one family. As this family used raw river water in their home and there were typhoid cases from the unorganized district being treated in the hospital it is possible that these three cases resulted from using this contaminated river water. One other case developed and there was one contact, that developed the disease later. A known carrier had been present in the community who was under supervision but no direct responsibility for the outbreak could be directed to this man.

Hamilton—Eight cases of Typhoid Fever developed in Hamilton during one week. Other than consultation with the Local Health Authorities no assistance was necessary from the Department in the investigation of these cases.

Goderich—Seven cases and one death from Typhoid Fever occurred in Goderich during the month of October. Repeated examination of water, milk and suspected carriers gave no lead as to the possible source of infection. The detailed report of the study of this outbreak is not as yet completed as the investigation is still in progress.

Dashwood—In November, five cases of Typhoid Fever were diagnosed in a family of nine living at Dashwood, Huron County, Ontario. An investigation into the cause of the disease was made by the Local Health Officer and by this Division and all contacts of this family were checked, including members of other families that had visited them, and other human sources where food or drink had been partaken. Water was examined and found to be Class D and all sources of food investigated. Nothing was found that indicated the source of infection. It was stated, however, that the first case (male, age 14 yrs.), had been suffering from what the family called "Influenza" for some time previous and he may have been the cause. Four other members of the family did not develop typhoid and there had been no other cases in the vicinity. Investigations are still proceeding to determine the ultimate source.

Kenora—In August, three cases of Typhoid Fever occurred and were traced by the Local Health Authorities to a previously unknown carrier, who was a laundress and active church-worker. This carrier was placed under restrictions and no further cases occurred.

Olive Township—In October, two cases of Typhoid occurred in a Lumber Camp in Olive Township which is an unorganized area. Prompt action by the Department, in addition to typhoid vaccination of the camp-workers, apparently prevented the spread of the disease to any other members of the Camp.

Ombabika—In December, at this village in Thunder Bay District, Ontario, which is near Armstrong, three cases originated apparently from two Treaty Indians, one a convalescent and one a chronic carrier. These, after identification, were placed under restrictions and the cases were removed to Sioux Lookout Hospital. No deaths and no further cases have occurred.

— PARATYPHOID FEVER —

Fifty-eight cases were reported, and a total of only sixty-nine cases of this disease are known to have occurred in the Province during the year, which is a reduction over the previous year.

Reference to the Table "Geographical Distribution of Certain Diseases" shows the cases widely distributed over the Province. Only one local outbreak occurred. This was in Fullarton Township, where three cases occurred, all of whom had partaken of food at one home at different intervals. At this home, epidemiological investigations showed the wife of the dairy farmer to be a Chronic Paratyphoid Carrier. When the proper restrictions were placed on the activities of this person no further cases occurred.

It is notable, that of all the known cases of Typhoid and Paratyphoid Fever which occurred this year, not one could be traced to *known* carriers, who had been under Health Department supervision.

— DIPHTHERIA —

During the past year only one hundred and thirty-five cases of Diphtheria have been reported. This total for the year is 50% lower than 1938.

The morbidity rate of 3.5 is the lowest ever recorded in the Province of Ontario and is but 0.4 per 100,000 higher than the rate estimated for Typhoid Fever.

Reference to the County distribution table shows the larger number of cases to be in the Counties of Carleton, Essex, Kent, Norfolk and York and the district of Kenora—some of the increased incidence being related more to size of population than actual increase. However, in South Walsingham Township, Norfolk County, about twelve cases are known to have occurred with two deaths, one of the latter about three months from the onset. While several cases occurred in persons, not toxoided for two years previously, none of these died. The presence of a carrier is suspected to account for the continued occurrence of cases over a considerable period of time. Investigations to determine the carrier are being carried out.

— SCARLET FEVER —

Owing to the fact that the symptoms of this disease in the past few years have become so modified, the chances of spread are therefore proportionately greater. Consequently there is a greater number of missed cases in each outbreak that tend to make control of the disease very difficult.

The present mildness of the disease, encourages parents mistakenly to avoid calling their physician and/or Medical Health Officer and results in the further spread of the disease. There were 6,767 cases of Scarlet Fever reported during the year 1939. This is an increase of about 20% over the previous year.

The chief area to which assistance was given during the year was the municipality of Penetang during a Scarlet Fever outbreak where Dick tests of all children in Public and Separate schools of the town were carried out. Of 523 children, from five to sixteen years of age who were tested, 284 were found to be positive.

There is a growing tendency for municipalities to include immunization by scarlet fever toxin in the local health programme. This is reflected in the increased demand for this biological product; and in the communities using the toxin, the disease appears to have a somewhat lessened incidence.

— CEREBRO-SPINAL MENINGITIS —

In 1939, sixty-four cases of Cerebro-Spinal Meningitis were reported in the Province. This represents a drop in the number of cases as reported for the corresponding period in 1938. The cases with one exception remained near the median for the year.

One small outbreak occurred in the City of Brantford but this was adequately dealt with by the Local Health Authorities.

— SMALLPOX —

Only one suspected case of Smallpox was reported in the Province during the past year. In 1929, 708 cases of Smallpox were reported for that year. During the next four years less than nine hundred cases were reported, there being a decrease each year. In 1933 only 15 cases of Smallpox were reported and since that year only 16 cases have been reported. During the past four years, 8 cases of Smallpox have been reported in the Province and no deaths have occurred.

Many of the emergency visits to Local Health Departments dealt with suspected cases of Smallpox. As the Province has been unusually free from Smallpox during the past ten years the diagnosis has become exceedingly difficult. The complement fixation test, recently devised has been used in some cases, in differentiating this disease from Chickenpox.

— UNDULANT FEVER —

There was a decrease of 25% in the number of cases of Undulant Fever reported during 1939, as compared with the corresponding period of 1938. The highest number of cases of Undulant Fever ever reported in the Province since 1929 was during 1936 when 127 cases were reported.

This disease is essentially rural in origin and related to the consumption of raw milk, though some cases do arise from handling infected animals and hides, and for that reason the greater emphasis on pasteurization throughout the Province as a whole, should show in future a marked decrease in this disease.

Only one definite grouping of cases occurred, namely, four cases in one township. The Local Medical Health Officer is now carrying on an investigation regarding the possibility of a common source of these four cases.

— INFECTIOUS JAUNDICE —

Several areas reported an increase of cases of Infectious or Epidemic Jaundice during 1939. Such increases were reported from Kirkland Lake, Ottawa, London and vicinity and along the Rideau River. (The investigation of these is reported under Special Studies, see page 85).

RABIES.

No human cases were reported during 1939.

During the early part of the year only twenty persons were reported to the Department of Health as having been bitten by animals. The latter on examination were all negative for rabies.

On August 15th a positive report for rabies was received on a dog which originally came from Pittsburg, U. S. A., and had bitten its owner, living at Beaumaris, Ontario. Treatment was started on the patient on August 17th. The patient did not contract rabies.

Nothing further was reported until the Wingham outbreak. Following this no further animals were diagnosed as positive for rabies during the year.

Wingham Outbreak.

On September 25th the first positive report was received in the Division of Laboratories from a rabid dog in Wingham which had bitten several people. On September 29th, an Epidemiologist of this Division visited the Local Health Officers of Huron County, and confirmed the report that there was an outbreak of this disease in dogs and that several people had been bitten. On October 3rd, a Veterinarian of the Department of Health made a survey of suspected and rabid dogs in the area. This area was subsequently surveyed by the Veterinarian and an Epidemiologist six times during the following two months. On October 10th the Federal Department of Agriculture was notified that the heads from four dogs had been found positive from the area. A Federal Veterinarian Inspector for Huron County was requested and obtained on October 11th. On October 19th the Federal Department of Agriculture was asked to provide a local "Federal Quarantine" area and twenty-two townships were quarantined on October 28th. These townships in the counties of Bruce, Huron and Perth were as follows: Turnberry, Howick, Morris, Grey, Wawanosh East, Wawanosh West, Ashfield, Colborne, Hullett, McKillop, Goderich, Huron, Kincardine, Kinloss, Culross, Carrick, Brant, Greenock, Bruce, Wallace, Elma, Logan.

Two Federal Veterinarian Inspectors were also detailed to work in this area. The Local Health Officers of Bruce, Huron and Perth Counties were notified of the quarantine by circular letter from this Division, immediately the Department was so advised by the Federal Department.

At weekly intervals summaries of reports being received from the area were made by this Division and forwarded to the Local Branch in Toronto of the Federal Department of Agriculture.

The outbreak has remained fairly well confined to the quarantine area and no positive laboratory reports have been received since December 25th. The last was from a farm near Mildmay, Bruce County, which farm had previously reported positive animals.

A summary of the outbreak in brief is as follows:

1. Patients:—	
No. of persons bitten	11
No. of persons exposed	75
No. of persons received vaccine	87
No. of persons developed the disease	0
2. Animals:—	
No. of positive laboratory diagnoses made	6
No. of animals known to be rabid (Dogs 7, Cats 1, Cows 2, Heifers 2, Horses 1)	13
3. No. of Vaccine treatment packages shipped	115
4. No. of field visits made by Epidemiological Staff 3, Veterinarian 3	6

The following tables give the details of the outbreak:

PERSONS BITTEN—BY AGE, SEX, AND TYPE OF EXPOSURE

Patient			Animal			Area and County
Age	Sex	Vaccine Given	Type	Laboratory Report	Clinical Diagnosis	
26	Male	Yes	Dog	Positive	Rabies	Mildmay—Bruce
38	Male	Yes	Dog	Positive	Rabies	Wingham—Huron
26	Male	Yes	Dog	Positive	Rabies	Wingham—Huron
15	Male	Yes	Dog	Positive	Rabies	Lucknow—Bruce
72	Male	Yes	Cow	Positive	Rabies	Mildmay—Bruce
32	Male	Yes	Dog	Positive	Rabies	Belgrave—Huron
10	Male	Yes	Dog	not known	Rabies	Brussels—Huron
62	Male	Yes	Horse	not done	Rabies	Hanover—Grey
47	Female	Yes	Cat	not done	Rabies	Blyth—Huron
69	Female	Yes	Cow	not done	Rabies	Mildmay—Bruce
Not stated		Yes	Dog	Positive	Rabies	Wingham—Huron.

Total Animals:—7 dogs, 1 cat, 2 cows, 1 horse.

PERSONS UNDER ANTIRABIC TREATMENT BY ADDRESS OF PATIENT AND DEGREE OF EXPOSURE

Address of Patient	Completed Vaccine Sheets Received		Total Known Under Treatment		
	Exposed only	Bitten	Exposed only	Bitten	Totals
Belgrave	14	1	14	1	15
Blyth	8	1	8	1	9
Brussels	8	1	8	1	9
Grand Valley	4	0	4	0	4
Laurel	3	0	3	0	3
Lucknow	3	1	3	1	4
Mildmay	0	3	0	3	3
Teeswater	3	0	3	0	3
Wingham	27	2	29	3	31
Auburn	0	0	2	0	2
Ethel	0	0	1	0	1
Hanover	0	1	0	1	1
Unknown	0	0	0	1	1
Totals	70	10	75	11	86

PERSONS UNDER TREATMENT BY AGE-GROUP AND SEX

Sex	Under 1 Yr.	1–4	5–9	10–19	20–29	30–39	40–49	50–59	60–69	70 and Over	Age not known	Total
Male	....	5	3	9	9	8	4	1	2	1	3	45
Female	2	4	7	7	4	7	2	1	2	1	1	38

Total males, 45; total females, 38; total both sexes, 83; all persons, 86; age and sex not known, 3.

REPORTED CASES OF CERTAIN DISEASES

Five Years—1935-1939

Year	Number of Cases Reported								
	Typhoid Fever	Para-Typhoid	Polio-myelitis	Diphtheria	Scarlet Fever	Cerebro-Spinal Meningitis	Infectious Jaundice	Smallpox	Undulant Fever
1935	310	58	108	361	7,265	32	10	7	85
1936	251	58	208	290	8,927	52	46	1	127
1937	241	80	2,548	506	5,581	67	89	0	104
1938	235	68	160	234	5,359	88	701	6	101
1939	119	58	216	131	6,767	66	502	1	66
Year	*Morbidity Rate per 100,000 Population								
1935	8.4	1.6	2.9	9.8	198	0.9	0.3	0	2.3
1936	6.8	1.6	5.6	7.9	242	1.4	1.2	0	3.5
1937	6.5	2.2	68.6	13.6	150	1.8	2.4	0	2.8
1938	6.3	1.8	4.3	6.3	144	2.4	18.8	0	2.7
1939	3.2	1.5	5.8	3.5	180	1.8	13.4	0	1.8

*Based on population of Ontario, estimated by Dominion Bureau of Statistics.

ANNUAL STATEMENT OF DISEASE PREVALENCE—ALL DISEASES

	Smallpox		Scarlet Fever		Diphtheria		Measles		Whooping Cough		Typhoid Fever		Tuberculosis		Poliomyelitis		Cerebro-Spinal Meningitis (Meningococcus)		Influenza	
1939	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Jan.	0	0	801	7	22	3	3,385	2	1,286	0	5	0	226	27	0	0	5	2	209	4
Feb.	1	0	829	6	12	1	4,528	1	1,120	1	3	0	190	44	1	0	5	3	364	3
March	0	0	745	6	15	1	3,824	4	859	4	4	0	210	35	0	0	2	3	4,613	49
April	0	0	747	8	11	0	4,076	1	796	5	9	2	243	44	0	0	12	2	2,296	61
May	0	0	492	1	8	0	3,267	0	610	0	1	1	240	36	0	0	8	3	416	12
June	0	0	412	0	7	0	3,680	2	376	1	6	1	220	37	5	0	2	2	32	1
July	0	0	319	5	10	0	2,006	4	443	1	16	2	294	49	42	2	2	2	8	0
August	0	0	176	0	3	1	408	2	292	0	19	0	186	26	34	5	9	0	28	1
Sept.	0	0	275	1	8	0	129	0	372	2	17	1	211	39	73	3	5	0	33	0
October	0	0	451	2	10	0	381	0	200	1	12	0	193	25	37	3	2	0	79	1
Nov.	0	0	677	2	15	1	859	0	254	1	18	0	173	24	18	0	10	1	91	3
Dec.	0	0	843	3	10	0	1,284	1	415	2	9	2	184	33	6	0	2	0	115	2
'39 Total.	1	0	6,767	41	131	7	27,827	17	7,023	18	119	9	2,570	419	216	13	64	18	8,284	137
'38 Total.	6	0	5,359	35	234	6	16,606	6	7,569	32	235	31	2,520	505	160	18	88	22	943	31
'37 Total.	0	0	5,581	27	506	29	15,809	5	5,040	9	241	17	2,371	525	2,544	109	67	27	13,330	185

ANNUAL STATEMENT OF DISEASE PREVALENCE—ALL DISEASES—Continued

1939	Pneumonia		Syphilis		Gonorrhoea		Chickenpox		Encephalitis		German Measles		Mumps		Septic Sore Throat		Undulant Fever	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
January	129	224	218	1	345	0	1,837	1	0	1	85	0	270	0	23	2	5	0
February	128	219	249	2	289	0	1,380	1	0	0	126	0	333	0	20	0	2	0
March	209	310	296	3	283	0	912	0	0	0	151	0	389	0	14	0	8	0
April	202	351	315	1	322	0	710	0	3	3	93	0	384	0	22	1	2	0
May	123	192	238	6	262	0	477	0	3	1	139	0	285	0	7	1	3	0
June	57	111	299	5	357	0	854	0	0	0	284	0	266	0	13	0	5	0
July	33	98	347	6	360	0	691	0	2	2	118	0	143	0	13	0	11	0
August	40	66	218	1	350	0	240	0	1	1	28	0	42	0	17	0	6	0
September	44	106	273	4	464	0	173	0	0	0	29	0	91	0	17	0	8	0
October	52	103	275	5	352	0	548	0	0	0	22	0	144	0	6	0	3	0
November	77	124	265	1	356	0	1,196	0	0	2	32	0	275	0	35	0	2	0
December	113	172	292	3	385	0	2,115	0	0	0	53	0	674	0	22	1	11	0
1939 Total	1,207	2,076	3,285	38	4,125	0	11,133	2	9	10	1,160	0	3,296	0	209	5	66	0
1938 Total	1,221	2,185	3,010	47	4,188	1	10,881	0	11	8	867	0	4,119	0	113	6	97	0
1937 Total	1,020	2,585	2,415	23	3,481	1	11,795	1	11	11	913	0	9,696	0	244	12	104	0

ANNUAL STATEMENT OF DISEASE PREVALENCE—ALL DISEASES—Continued

	Dysentery		Erysipelas		Paratyphoid Fever		Infectious Jaundice		Tetanus		Tularaemia		Conjunctivitis		Malaria		Actinomycosis	
1939	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
January	1	0	17	1	3	0	71	0	2	2	0	0	0	0	0	0	0	0
February	2	0	23	1	3	0	119	1	1	0	0	0	0	0	0	0	2	0
March	6	1	28	1	3	0	66	0	0	0	0	0	0	0	1	0	0	0
April	5	0	33	0	4	0	7	1	0	0	0	0	0	0	0	0	0	0
May	5	0	16	1	7	0	7	0	0	0	0	0	0	0	0	0	0	0
June	4	0	6	0	7	0	3	1	0	0	0	0	2	0	0	0	0	0
July	3	1	12	0	3	0	40	0	4	2	1	0	0	0	1	0	0	0
August	5	0	13	1	9	0	28	0	0	1	0	0	0	0	0	0	0	0
September	4	0	7	0	12	1	21	0	4	1	0	0	0	0	0	0	0	0
October	14	0	8	0	2	0	25	0	0	0	0	0	0	0	0	0	0	0
November	4	1	6	0	1	0	30	0	3	2	0	0	0	0	0	0	0	0
December	0	1	18	0	4	0	85	0	1	0	0	0	0	0	0	0	0	0
1939 Total	53	4	187	5	58	1	502	3	15	8	1	0	2	0	2	0	2	0
1938 Total	162	8	128	10	68	0	701	2	11	7	1	0	13	0	6	0	2	1
1937 Total	103	9	139	11	80	2	89	2	10	10	1	0	6	1	0	0	6	0

GEOGRAPHICAL DISTRIBUTION OF CERTAIN DISEASES IN ONTARIO, 1939—BY COUNTY

County or District	Poliomyelitis		Paratyphoid		Typhoid		Diphtheria	
	Total Cases	Paralyzed Only	Cases	Deaths	Cases	Deaths	Cases	Deaths
Algoma	......	......	1	......	......	......	......	......
Brant	......	......	......	......	......	......	......	......
Bruce	4	2	1	......	5	......	......	......
Carleton	9	5	1	......	6	1	18	......
Cochrane	......	......	3	......	20	1	3	......
Dufferin	......	......	......	......	1	......	2	......
Dundas	2	2	......	......	1	......	1	......
Durham	1	1	......	......	......	......	1	......
Elgin	3	2	......	......	2	......	1	......
Essex	67	40	......	......	8	......	13	4
Frontenac	......	......	2	......	2	......	......	......
Glengarry	1	1	......	......	......	......	1	......
Grenville	......	......	......	......	......	......	2	......
Grey	1	......	1	......	2	......	1	......
Haldimand	3	1	......	......	1	......	......	......
Haliburton	......	......	......	......	......	......	2	1
Halton	2	1	......	......	......	......	......	......
Hastings	......	......	3	......	2	......	2	......
Huron	......	......	6	......	16	2	2	......
Kenora	10	8	......	......	4	......	10	......
Kent	6	......	1	......	2	......	1	......
Lambton	46	5	......	......	7	2	1	......
Lanark	......	29	......	......	......	......	1	......
Leeds	......	......	3	......	3	1	......	......
Lennox and Addington	......	......	1	......	......	......	......	......
Lincoln	......	......	5	......	3	......	5	......
Manitoulin	......	......	......	......	......	......	......	......
Middlesex	8	3	3	......	1	......	......	......
Muskoka	1	1	......	......	......	......	......	......
Nipissing	......	......	......	......	6	......	3	......
Norfolk	1	......	1	......	1	......	12	2
Northumberland	......	......	......	......	......	......	......	......
Ontario	......	......	2	......	2	......	1	......
Oxford	2	......	......	......	3	......	......	......
Parry Sound	4	1	2	......	1	......	......	......
Peel	......	......	1	......	......	......	2	......
Perth	1	1	5	1	2	......	1	......
Peterborough	1	1	......	......	1	......	1	......
Prescott	......	......	2	1	2	......	7	......
Prince Edward	1	......	......	......	......	......	2	......
Rainy River	......	......	......	......	......	......	1	......
Renfrew	......	......	......	......	......	......	......	......
Russell	2	1	......	......	1	......	......	......
Simcoe	1	......	6	......	4	......	2	......
Stormont	1	1	3	......	......	......	3	......
Sudbury	......	......	......	......	4	......	6	......
Thunder Bay	4	2	......	......	7	1	......	......
Timiskaming	1	1	2	......	......	......	......	......
Victoria	......	......	2	......	1	......	1	......
Waterloo	......	......	1	......	2	......	......	......
Welland	8	......	......	......	1	......	......	......
Wellington	1	1	2	......	......	......	2	......
Wentworth	......	......	......	......	10	2	......	......
York	27	9	9	......	22	2	24	1
Totals	219	219	69	2	156	12	135	8

— PREVENTION AND CONTROL OF OUTBREAKS OF DISEASE —

In fulfillment of the statutory duties of the Department of Health with regard to the study, prevention and control of outbreaks of infectious diseases, the Division of Epidemiology has the responsibility of recognizing early any significant, though slight, increase in the local prevalence of these diseases, and by immediate action, attempting to limit the spread of infection, to prevent large epidemics.

As soon as any notification of an unusual prevalence of disease in any municipality is received (whether from the routine weekly reports, requisitions for biological products for the treatment of unreported cases, newspaper clippings, correspondence, etc.), immediate steps are taken to ascertain from the Local Authorities, what control measures have been instituted and in what way the Provincial Department may actively help in this work. The Department urges the municipality to make early and full use of the services of the epidemiological staff of this Division, in order that by such active co-operation of the Local and Central authorities, outbreaks may be more rapidly brought under control. It will readily be appreciated that the scope of this service is more extensive than appears on the surface, when one considers the area of the Province, the fact that such control may necessitate detailed epidemiological study as well as intensive investigation of local environmental sanitation, and the time required for completion of such projects.

A brief summary of only the major outbreaks, which occurred during the past year, and in most of which this Division was able to render active service to the Local Boards of Health, is as follows:

SUMMARY OF MAJOR OUTBREAKS—1939.

Disease	No. of Outbreaks Reported	No. of Counties and Districts Involved	Estimated No. of Cases	No. of Deaths
Typhoid	7	5	35	4
Paratyphoid	1	1	3	0
Diphtheria	1	1	12	2
C. S. Meningitis	1	1	5	1
Rabies	1	3	No human cases or deaths.	
Scarlet Fever	1	1	350	0
Undulant Fever	1	1	4	0
Poliomyelitis	2	2	76	8

In the prevention and control work relative to outbreaks of disease, the staff made more than 45 Field Trips to municipalities in the various counties of Southern Ontario as well as to the Northern districts.

In addition, the services of one member of the staff was made available for a month to the Local Boards of Health in Sarnia and Windsor in the control of the Poliomyelitis outbreak in these areas.

Almost a month was spent in Typhoid Control work by two members of the staff, conducting a Typhoid-Paratyphoid Carrier survey in Southern Ontario, gathering the essential data relative to the payment of compensation for carriers.

One member of the staff spent considerable time in completing a field survey on the epidemiology of the Infectious Jaundice outbreak in 1939.

— SPECIAL STUDIES IN THE EPIDEMIOLOGY OF DISEASE —

Special studies were made in connection with epidemics of various diseases during the year.

The chief of these studies were as follows:

Epidemic Jaundice—Southern Ontario—January.

Poliomyelitis—Sarnia and Windsor—July and August.

Typhoid Fever Control and Carrier Survey—September and October.

— EPIDEMIC JAUNDICE —

Investigation of this disease was carried out in London by a member of the staff of this Division. Through the co-operation of the local medical officer of health and his staff, an extensive study was made. Data sheets were compiled on each case, and over two hundred and fifty cases were studied. The cases showed no serious complications and no deaths. No cases of Leptospira icterohaemorrhagiae nor any cases of Canine Jaundice (Leptospira canicula) were found during the examination of blood from the cases of wild rats captured during the outbreak. All food and water was eliminated as a cause. Direct contact appeared to be the outstanding feature in its spread. The incubation period was generally of very long duration, averaging twenty-eight days. A report of this survey was read at the Canadian Public Health Association meeting in June.

— POLIOMYELITIS STUDY IN SARNIA AND WINDSOR —

As this study has not been reported elsewhere it is herewith presented in some detail. The Field Studies were carried on by this Division in association with the School of Hygiene, University of Toronto, the Local Boards of Health at Sarnia, Windsor, and neighboring Townships.

SARNIA.

On May 29th the first case of paralysis for the City of Sarnia (population 25,000) was reported for the year. No further cases were reported until June 23rd. The subsequent cases reached a peak in the first week of August. In all there were seventy-one cases of all types (frank poliomyelitis, suspect or abortive, and summer influenza) reported and twenty-six of these in the City of Sarnia were of the frank type with seven deaths—a case rate of about one per one thousand and a death rate of about twenty-eight per one hundred thousand. (It is interesting to note that Sarnia had had very few reported cases of the disease in the 1937 epidemic).

TIME DISTRIBUTION OF CASES.

	All Cases
Month of May	1
Week of June 23–30th, inclusive	3
July 1–7th "	6
" 8–14th, "	9
" 15–21st, "	11
" 22–28th, "	15
" 29–Aug. 4th, "	17
Aug. 5–11th, "	2
" 12–22nd, "	7

There were seven deaths from the disease, the cause of the first one being at first unrecognized by the physician and diagnosed as pneumonia. A respirator was shipped to Sarnia by the Provincial Department of Health and two nurses were supplied by the Local Board of Health for the care of the severe cases. The three earliest cases were transferred to London.

ANALYSIS OF THE FATAL CASES

	Total	Treated in Respirator
Fatal Poliomyelitis Cases	7	5
Bulbar type (not diagnosed as Poliomyelitis)	1	0
Bulbar type (diagnosed as Poliomyelitis)	4	3
Intercostal type, diagnosed as Poliomyelitis	2	2

FATAL CASES BY AGE, SEX, AND ILLNESS

Patient	Age	Sex	Length of Illness	Type of Illness
M. S.	11 mos.	M	5 days	Bulbar type
B. H.	5 yrs.	M	3 days	Bulbar type
E. M.	11 yrs.	F	10 days	Bulbar type
T. N.	8 yrs.	M	7 days	Intercostal type
J. G.	4 yrs.	M	4 days	Intercostal type
R. M.	15 yrs.	M	3 days	Bulbar type
W. R.	14 yrs.	M	6 days	Bulbar type

In addition to the twenty-seven frank cases of Poliomyelitis, there occurred in the child population, at the same time, with the same seasonal peak and often occurring in the same homes, a widespread non-fatal type of illness, commonly referred to as "summer influenza."

In order to study the relationship of this illness to Poliomyelitis (as the 1937 epidemic of Poliomyelitis had shown a similarly associated illness), and in order to help the Local Health Authorities limit the spread of the disease, the Provincial Department of Health undertook a Poliomyelitis Study in Sarnia.

Total cases (all types) investigated in Sarnia and surrounding Townships, including one case in Kent County, were as follows:

Sarnia City		58
Poliomyelitis—died	6	
Poliomyelitis—with paralysis	9	
Poliomyelitis—non-paralyzed	12	
Suspect Poliomyelitis	8	
Summer Influenza	23	
Point Edward		5
Poliomyelitis—died (was reported as Pneumonia)	1	
Poliomyelitis—with paralysis	3	
Poliomyelitis—non-paralyzed	1	
Suspect Poliomyelitis	0	
Summer Influenza	0	
Sarnia Township		5
Moore Township		1
Plympton Township		2
Camden Township—Kent County		1
Warwick Township		1
Total		73

A laboratory was provided by the Division of Laboratories, and housed in rooms at the Lochiel St. School, provided by the Local Board of Education. The Laboratory personnel had an average of two technical workers during the study. This laboratory provided for a diagnostic service for the local physicians in the examination of spinal fluids; also for the collection, labelling and forwarding of specimens to the Central Laboratory and to the Laboratory of the School of Hygiene for further study.

Report of Spinal Fluids for diagnosis on known and suspected cases: These fluids were taken by the physician and/or the Staff of the Poliomyelitis Clinic, and were examined in the Clinic Laboratory except for the very early cases before the Clinic was set up. This diagnostic service was supplied twenty-four hours a day.

ANALYSIS OF SPINAL FLUIDS

Poliomyelitis with Paralysis	15
Poliomyelitis without Paralysis	15
Summer Influenza	1
Suspect Poliomyelitis	5
Other Illness	1
Total	37

CLINICAL LABORATORY WORK

		Washings	Stools	Bloods
Poliomyelitis	Cases Contacts	10 17	20 102	9 40
Suspect Poliomyelitis	Cases Contacts	3 3	7 22	1 0
Summer Influenza	Cases Contacts	4 0	17 37	5 16
Totals	Cases Contacts	17 20	44 161	15 56
Totals		37	205	71

The non-diagnostic work of the Study consisted in obtaining specimens of blood, nasal-washings and stools, for bacteriological and virus study, from members of the families covered by the survey.

The School of Hygiene consented to attempt to devise a Complement-Fixation Test applicable to blood serum. For this purpose negative-control blood specimens were necessary. The Local Red Cross of Sarnia City, as a volunteer effort, cavassed homes where no illness had been present during the summer, to obtain children for the blood test. The children, who were "screened" for any suspicious illness by a carefully taken history-form were paid a nominal sum for the blood test, the money being paid by the Local Red Cross and subsequently refunded by the Provincial Department of Health.

SUMMARY OF CONTROL BLOOD SAMPLES

Age Groups	No Illness	Slight Illness	Contact of Case	Total Specimens
5– 9 yrs.	37	4	5	46
10–15 yrs.	28	4	5	37
	65	8	10	83

Case Histories of the Family Groups:—On the History forms were recorded the data regarding the case, the contacts, the family group, the environment, the source of infection, etc. The following table shows the extent of this work:

	Polio Cases	Suspect Polio	Summer Flu	Total
Completed Histories	40	10	23	73

DISTRIBUTION BY CASE LOCATION

	No. of Histories
Sarnia City	57
Sarnia Township	11
Plympton Township	2
Warwick Township	1
Moore Township	1
Toronto City	1
	73

The Sarnia study was conducted from July 25 to August 31. A more detailed report of the study will be published when the laboratory work has been completed.

WINDSOR

A survey of the incidence of the earlier cases in Windsor City was made by an Epidemiologist and a supervising nurse of the Provincial Department of Health and an assistant Epidemiologist from the School of Hygiene, University of Toronto, in association with the Local Board of Health, to determine whether this area would be suitable for a study similar to that conducted in Sarnia.

The Windsor epidemic was about one month later than the Sarnia epidemic in reaching a peak, and thus coincided with that of the Detroit epidemic.

TIME DISTRIBUTION OF CASES AND DEATHS

Month Ending	Cases	Deaths
June 30	0	....
July 29	5	0
Aug. 26	14	0
Sept. 30	19	1
Oct. 28	10	0
Nov. 25	2	0
Dec. 30	0	0
Total	50	1

Because more than enough material had been collected at Sarnia and because reporting of cases of "Summer Influenza" and "Suspect" Poliomyelitis had not been carried on at Windsor, it was felt that the study at Windsor should be limited to case histories without further laboratory work, except to obtain a few blood samples from acute cases.

A total of twenty-six cases and family histories were taken. Eight blood specimens from acute cases only, were taken for study and forwarded to the School of Hygiene. The final report on this study will be included with that of the Sarnia outbreak when completed.

— TYPHOID FEVER CONTROL AND CARRIER STUDY —

Immediately following the passage of the new Regulations for the Control of Typhoid and Paratyphoid Fevers (which Regulations are printed in detail in the Annual Report of the Solicitor to the Department), routine forms and procedures were set up in this Division for: the follow-up of positive laboratory reports; the collection of information about the cases and carriers from physicians and Medical Health Officers; the formation of a Central Registry for Cases, Deaths and Carriers of these diseases by name, municipality and county; for the proper release of patients and carriers, and for the payment of carriers.

All Medical Health Officers in the Province were advised of the new Regulations and procedures, by circular letter from this Division.

In addition, stencilled material has been prepared for the use of physicians and Medical Health Officers on:

(1) Typhoid Fever Control in Ontario.

(2) Convalescence from Typhoid Fever.

(3) Suggestions for the discovery of Carriers. This material is sent to each physician reporting a new case of either Typhoid or Paratyphoid infection.

While the routine follow-up work required to carry out the above control work is time-consuming and accounts for a considerable portion of the time and effort expended by the staff of this Division, the value of this work is evident in the following table showing the carriers discovered by this method this year.

Type of Disease	Carriers Discovered in 1939		Total
	Convalescent	Chronic	
Typhoid Fever	10	*3	13
Paratyphoid "B"	4	1	5
Dysentery	1	1	2
Total	15	5	20

*One was a non-resident carrier from the United States. The above carriers have been placed under the proper Health Department supervision.

Carrier Study.

In order that the payment of compensation to carriers might properly be limited to those who are indigent or who are suffering loss of income due to Health Department restrictions, it was decided to personally investigate all known or suspected carriers. In this manner information was collected by two members of the Staff of this Division as to the financial and carrier status of the *known* and *suspected* carriers. To date it has been possible to survey only Southern Ontario, where a total of 47 carriers were visited in 20 counties and 34 municipalities, at intervals over a period of 2 months.

Result:—Of the 63 *known* carriers, (4 of whom are now removed from the roster—3 having died and 2 released by gall-bladder operation), and 23 *suspected* carriers, only 4 were placed on compensation. Details of payment are shown in the following table:

PAYMENT OF CARRIER COMPENSATION

Age and Sex	County	Disease	Year	Cases and Deaths Caused	Occupation	Date Compensation began	Amount Paid per month
18 F	Hastings	Typhoid	1938	2 Cases, 1 Death	Schoolgirl and Domestic	Nov. 1	$15.00
62 F	Hastings	Typhoid	1927	9 Cases, 2 Deaths	Domestic and Foodhandler	Nov. 1	20.00
62 M	Hastings	Typhoid	1919	7 Cases or more and 1 Death	Dairy Farmer	Sept. 1	20.00
48 F	York	Typhoid	1935	9 Cases and no Death	Foodhandler Practical Nurse	Nov. 1	10.00
Total—4 carriers are paid—Monthly, $65.00. Annually, $780.00.							

It is probable that as the work of investigation with respect to carrier and financial status continues more persons will, of necessity, be placed on compensation.

— DIAGNOSTIC AND CONSULTATIVE WORK IN INFECTIOUS DISEASES —

This service was given to physicians, Hospitals and Local Medical Officers of Health throughout the Province during the year and consisted largely in the diagnosis of difficult cases of diseases and advice as to isolation, quarantine and immunization. The Staff of this Division gave aid to over 30 Local Medical Officers of Health in response to requests for emergency assistance. Assistance was given by members of this Division to Local Boards of Health in planning immunization programs and also in doing skin tests for immunization. One recent example serves to illustrate this type of survey. (In one municipality, nine hundred school children from two schools were Dick tested. From the first school where Scarlet Fever had not been prevalent, approximately 70 per cent. were Dick positive, while in the second school where Scarlet Fever had been present for some time 30 per cent. only were positive)

Analyses are made by this Division, if desired by the Local Medical Officer of Health, of the results obtained in immunization as recorded on the Field Records supplied by the Provincial Department. One interesting example of this type of analysis showed that, of the children who were Dick-positive before immunization, 68 per cent. were still positive two weeks after the fifth dose of toxin. The Local Medical Officer of Health then undertook to study similarly in a subsequent group, the immunity after four, six and eight weeks respectively.

Advice and assistance regarding the prevention and control of infectious diseases in various Ontario Hospitals has been continued during the year.

II. DISTRIBUTION OF LITERATURE

This consists of the provision of certain recording forms for Local Health work to nurses and Local Medical Officers of Health; and the distribution of pamphlets and other printed material upon the nature and control of Infectious Diseases to physicians, nurses, Local Medical Officers of Health, and the lay public.

Field Records:.

The recording forms have proven to be of assistance in furthering local immunization programs and in the past six months 24,168 local health recording forms have been distributed.

Health Education in Infectious Diseases.

The distribution of information as to the nature and control of Infectious Diseases is, and should be, one of the most important functions of the Division. In this respect, particular attention is paid to supplying the needs of any of the local voluntary health agencies who are organized to pursue a definite program of health education. The demand for this type information for Local groups is constantly increasing. With the aim of improving the service given in this matter the available materials for Health Education have been surveyed during the year and the various forms of pamphlets are being brought up to date. The diseases about which material at present is maintained by the Provincial Department of Health are as follows: Diphtheria, Scarlet Fever, Poliomyelitis, Rabies, Whooping Cough, Tularemia, Typhoid Fever and Smallpox. During the past six months the records of this Division show that 4,371 pamphlets were distributed.

III. LOCAL HEALTH ADMINISTRATION

Owing to the limitations of personnel specifically allocated to this type of work the Staff of the Division of Epidemiology contribute to supervision of, and practical aid and advice to, Local Health authorities as carried out in the programme of the Chief Medical Health Officer.

In addition to the services previously outlined, in helping to plan the local programs for immunization and in the distribution of literature and recording forms, the Division also contributes in the following ways:

The addressograph work, very necessary for circularizing Medical Health Officers with regard to changes in Public Health Legislation or amendments, Departmental policy, emergency notices in the times of epidemics, etc., is maintined by the Staff of this Division. The plates are reviewed and corrected monthly, in co-operation with the Ontario Medical Association. The time-consuming work necessary for preparation and mailing to seven hundred Health Officers is done by this Division.

The preparation and the printing of the Annual Roster of Personnel of both the Provincial and Local Departments of Health, which contains over eighteen hundred names (listed by County and Municipality) is the duty of the Staff of the Division. The corrections and revisions a result of changes in personnel during each year involve considerable added work.

This year a roster was completed by the Staff as a Central Registry of the seven hundred Medical Health Officers for the Province, and this will be revised during the year to provide data about Medical Health

Officers and the Local Health programme as a means of ready reference for the Office of the Chief Medical Officer of Health in the work of Local Health Administration.

Annual Reports of Local Boards of Health.

The Provincial Department of Health supplies the form in triplicate for the recording of the annual report of the Local Boards of Health. The mailing, receipt and sorting of these annual reports to and from the nine hundred municipalities is handled by the Staff of this Division each year.

In addition this Division contributed to the time and effort expended on the revision of the Annual Report Forms. This was carried out by the Department of Health for the purpose of allowing the municipalities to express more adequately the various local Health programmes.

IV. DISTRIBUTION OF BIOLOGICAL PRODUCTS AND INSULIN

Statistical data for the fiscal year, April 1st, 1938, to March 31st, 1939, the amounts and cost of distribution are included in this section.

The supply of Biological Products and Insulin is a joint responsibility of the Division of Laboratories, and this Division—the former providing for storage and mailing, and the latter for all the purchasing, record-keeping and accounting. In the case of Insulin, this also includes the preparation and mailing of quarterly accounts to an average of seven hundred municipalities.

For convenience the annual summary is divided into the reports upon (a) *Biological Products;* (b) *Insulin.*

BIOLOGICAL PRODUCTS

During the year the Department continued to supply free biological products through 12 distributing centres. (The Central Laboratory and its seven branches; the offices of local Departments of Health at Brantford, Hamilton, Owen Sound and Windsor.)

Early in the year consideration was given to, and the work begun on an intensive survey of the extent and costs of the provision of these products and a report on this will be forthcoming on its completion.

The biological products so distributed through the physicians as a service to the public are for:

(a) The Prevention of disease by *active immunization:* Diphtheria Toxoid, Scarlet Fever Toxin, Smallpox, Rabies and Pertussis Vaccines.

(b) The prevention of disease by *passive immunization* and for the *treatment of cases:* Diphtheria, Scarlet Fever and Tetanus Antitoxins, Anti-meningococcus and Anti-anthrax Serums.

(c) The testing of susceptibility or immunity; Schick and Dick Test material, and Tuberculin.

Tuberculin has been supplied throughout the year and details of the distribution for this product may be seen in the following tables covering the period March to December, 1939.

DISTRIBUTION OF TUBERCULIN

No. of private physicians supplied with tuberculin	766
No. of Hospitals supplied with tuberculin	62
No. of Sanatoria supplied with tuberculin	9
No. of Clinics (non-Departmental) supplied with tuberculin	26

AMOUNT OF TUBERCULIN DISTRIBUTED

Type	1 cc. Vials		5 cc. Vials		Total	
	No.	Contents (cc.)	No.	Contents (cc.)	No. of Vials	Contents (cc.)
No 1 Solution	2,335	2,335	1,164	5,820	3,499	8,155
No. 2 Solution	735	735	....	....	735	735
Total					4,234	8,890

COST OF TUBERCULIN DISTRIBUTED

2335 vials of No. 1 Solution (1 cc.) @ .30	$ 700 50
1164 vials of No. 1 Solution (5 cc.) @ .95	1,105 80
735 vials of No. 2 Solution (1 cc.) @ .35	257 25
Total Cost	$ 2,063 55

Pertussis Vaccine has been added to the list only during the last two months of the calendar year, and owing to this and the further fact that the season of greatest prevalence of this disease is still to come, it is too soon to form an estimate as to the probable expenditure for this product.

INSULIN

The Department of Health provides free insulin to those persons in whose treatment this product is required and who would otherwise be deprived of it. Diabetic patients able to pay for insulin are not supplied by the Department.

The records of this Division for the Fiscal Year 1938-39 as to the number of patients receiving this service is shown in the following table:

Patients Using Insulin	Fiscal Year 1938-39		
	Male	Female	Total
City of Toronto	338	678	1,016
Province of Ontario, exclusive of Toronto	946	1,329	2,275
Total	1,284	2,007	3,291

While the provision of insulin is free to those unable to pay for it, the Department pays 75% of the cost and the Local Municipality pays 25%, the latter being liable for this as soon as the patient takes up residence in that municipality. While this re-allocation of total costs in part to the local authorities which was first begun in 1935-36 has resulted in a marked increase in cost-accounting by this Division because of the necessity for sending out quarterly accounts to an average of seven hundred municipalities, still the fact that this re-allocation has resulted in a 45% reduction in the cost of distribution of Insulin seems sufficient justification for the work required.

Insulin is provided in three forms, 1. Protamine Zinc Insulin in vials of four hundred units; 2. Modified Insulin (zinc-crystals process)—in vials of four hundred units; 3. Unmodified or Plain Insulin in vials of two hundred, eight hundred and one thousand units.

During the year the yellow-label package of four hundred units prepared by the unmodified process was changed to the grey-label package, four hundred units, prepared by the zinc-insulin crystalline process—the treatment of the patient by each type of insulin remaining the same. The Division circularized all Distributing Centres and all known diabetic clinics in advance of the change.

The 1,000-unit size vial of Unmodified or Plain Insulin is provided for Insulin Shock Therapy and is largely used by the Ontario Hospitals, for which work, the Division advances the Insulin and the cost is re-allocated to the various Hospitals. The scope of this service is given by the following table for the fiscal year:

INSULIN FOR INSULIN SHOCK THERAPY

Fiscal Year 9 mos. only, 1939	Vials of 1,000 Units Amount	Insulin Supplied Cost
April	36	$ 54.00
May	36	54.00
June	42	63.00
July	36	54.00
August	60	90.00
September	48	72.00
October	72	108.00
November	72	108.00
December	12	18.00
Totals	414	$621.00

STATISTICAL TABLES

RELATIVE TO THE DISTRIBUTION OF

BIOLOGICAL PRODUCTS AND INSULIN

For the Fiscal Year

APRIL 1st, 1938 TO MARCH 31st, 1939

BIOLOGICAL PRODUCTS—DISTRIBUTION BY MONTH

MONTH	DIPHTHERIA ANTITOXIN						DIPHTHERIA TOXOID							
	1M Units	Cost	10M 20M 40M Units	Cost	Syringes	Cost	One Person	Cost	Six Persons	Cost	Twelve Persons	Cost	Diluted	Cost
1938		$ c	M	$ c		$ c		$ c		$ c		$ c		$ c
April	93	13 02	2,400	288 00	25	5 00	1,962	392 40	581	464 80	1,681	1,681 00	111	22 20
May	115	16 10	2,480	297 60	50	10 00	1,945	389 00	381	304 80	1,395	1,395 00	58	11 60
June	454	63 56	2,390	286 80	27	5 40	1,214	242 80	125	100 00	555	555 00	63	12 60
July	246	34 44	4,240	508 80	50	10 00	810	162 00	106	84 80	251	251 00	62	12 40
August	288	40 32	2,870	344 40	....	....	818	163 60	146	116 80	459	459 00	50	10 00
September	389	54 46	4,880	585 60	75	15 00	1,772	354 40	397	317 60	1,642	1,642 00	95	19 00
October	287	40 18	3,720	446 40	....	....	1,506	301 20	634	507 20	1,617	1,617 00	42	8 40
November	251	35 14	5,300	636 00	....	....	1,908	381 60	240	192 00	999	999 00	97	19 40
December	294	41 16	7,110	853 20	77	15 40	1,302	260 40	47	37 60	312	312 00	40	8 00
1939														
January	333	46 62	3,850	462 00	87	17 40	1,460	292 00	156	124 80	450	450 00	51	10 20
February	237	33 18	5,090	610 80	....	....	1,238	247 60	206	164 80	761	761 00	85	17 00
March	394	55 16	6,360	763 20	75	15 00	1,319	263 80	88	70 40	660	660 00	32	6 40
	3,381	473 34	50,690	6,082 80	466	93 20	17,254	3,450 80	3,107	2,485 60	10,782	10,782 00	786	157 20

BIOLOGICAL PRODUCTS—DISTRIBUTION BY MONTH—Continued

	Diphtheria Schick Test		Tetanus Antitoxin					
	Outfits	Cost	Units	Cost	Syringes	Cost	Outfits	Cost
1938		$ c		$ c		$ c		$ c
April	386	77 20	5,549,000	1,664 70	186	37 20	16	7 20
May	374	74 80	5,204,000	1,561 20	256	51 20	3	1 35
June	314	62 80	8,832,500	2,649 75	256	51 20	13	5 85
July	322	64 40	10,895,000	3,268 50	206	41 20	18	8 10
August	354	70 80	9,467,500	2,840 25	306	61 20	11	4 95
September	398	79 60	7,996,000	2,398 80	300	60 00	37	16 65
October	354	70 80	5,674,500	1,702 35	204	40 80	10	4 50
November	528	105 60	6,836,000	2,050 80	212	42 40	25	11 25
December	306	61 20	3,695,500	1,108 65	60	12 00	9	4 05
1939								
January	187	37 40	4,231,000	1,269 30	168	33 60	2	90
February	505	101 00	3,401,000	1,020 30	50	10 00	12	5 40
March	299	59 80	3,497,000	1,049 10	100	20 00	1	45
	4327	865 40	75,279,000	22,583 70	2,304	460 80	157	70 65

BIOLOGICAL PRODUCTS—DISTRIBUTION BY MONTH—Continued

	Scarlet Fever Antitoxin						Dick Test		Scarlet Fever Toxin			
	Prophy-lactic	Cost	Treat-ments	Cost	Syringes	Cost	Dick Test	Cost	One Person	Cost	Six Persons	Cost
1938		$ c		$ c		$ c		$ c		$ c		$ c
April	887	665 25	372	1,023 00	6	1 20	487	97 40	562	168 60	415	415 00
May	545	408 75	226	621 50	125	25 00	421	84 20	373	111 90	240	240 00
June	781	585 75	303	833 25	37	7 40	237	47 40	413	123 90	202	202 00
July	436	327 00	155	426 25	25	5 00	407	81 40	340	102 00	202	202 00
August	713	534 75	298	819 50	25	5 00	349	69 80	511	153 30	137	137 00
September	666	499 50	243	668 25	100	20 00	641	128 20	621	186 30	673	673 00
October	756	567 00	406	1,116 50	112	22 40	434	86 80	690	207 00	605	605 00
November	1,015	761 25	580	1,595 00	100	20 00	735	147 00	954	286 20	769	769 00
December	1,294	970 50	580	1,595 00	300	60 00	720	144 00	908	272 40	435	435 00
1939												
January	1,432	1,074 00	666	1,831 50	162	32 40	734	146 80	807	242 10	624	624 00
February	1,370	1,027 50	613	1,685 75	150	30 00	814	162 80	863	258 90	462	462 00
March	657	492 75	331	910 25	150	30 00	744	148 80	740	222 00	636	636 00
	10,552	7,914 00	4,773	13,125 75	1,292	258 40	6,723	1,344 60	7,782	2,334 60	5,400	5,400 00

BIOLOGICAL PRODUCTS—DISTRIBUTION BY MONTH—Continued

	ANTI-MENINGOCOCCUS SERUM				SMALLPOX VACCINE				Rabies Vaccine		ANTI-ANTHRAX VACCINE	
	20cc Vials	Cost	Outfits	Cost	2 points	Cost	5 and 10 points	Cost	Treat-ments	Cost	50cc Vials	Cost
1938		$ c		$ c		$ c		$ c		$ c		$ c
April	208	208 00	37	16 65	631	75 72	22,935	1,032 08	3	31 50	....	....
May	60	60 00	20	9 00	809	97 08	14,960	673 20	4	42 00	....	....
June	209	209 00	32	14 40	723	86 76	15,125	680 62	1	10 50	....	....
July	147	147 00	18	8 10	593	71 16	6,185	278 32	3	31 50	....	....
August	62	62 00	4	1 80	950	114 00	5,820	261 90	3	31 50	....	....
September	140	140 00	11	4 95	907	108 84	13,845	623 03	2	21 00	....	....
October	185	185 00	32	14 40	571	68 52	19,600	882 00	4	42 00	....	....
November	157	157 00	38	17 10	703	84 36	11,045	497 02	5	52 50	....	....
December	115	115 00	22	9 90	796	95 52	17,665	794 92	....	....	1	1 75
1939												
January	109	109 00	6	2 70	745	89 40	31,415	1,413 68	....	....	....	....
February	79	79 00	18	8 10	492	59 04	5,095	229 27	2	21 00	3	5 25
March	98	98 00	12	5 40	545	65 40	17,295	778 28	....	....	....	....
	1,569	1,569 00	250	112 50	8,465	1,015 80	180,985	8,144 32	27	283 50	4	7 00

INSULIN—DISTRIBUTION BY MONTH.

	Insulin						
	Unmodified				Protimine Zinc		
	200 Units	400 Units	800 Units	1000 Units	400 Units	800 Units	Cost
1938							
April	1,175	4,390	337	......	5,860	....	$ 5,034 50
May	1,325	4,875	222	......	1,925	....	5,305 63
June	700	3,600	415	......	2,055	....	4,593 63
July	1,250	4,775	399	......	2,375	....	5,761 88
August	1,025	3,675	310	......	2,680	....	5,078 00
September	1,365	4,665	355	......	1,380	....	4,954 25
October	960	3,483	360	......	1,410	2	4,075 00
November	920	4,085	280	60	2,300	....	5,084 75
December	1,250	4,621	349	36	2,070	....	5,432 15
1939							
January	1,150	4,395	436	36	2,215	....	5,464 13
February	1,095	4,385	250	36	2,175	....	5,176 88
March	1,100	3,385	175	72	2,232	....	4,530 20
	13,315	50,334	3,888	240	24,677	2	$ 60,491 00

STATEMENT OF BIOLOGICAL PRODUCTS AND INSULIN—Continued

SUMMARY 1938-1939

Diphtheria:					
Antitoxin	3,381 M units at	$ 0.14 per M units	$ 473 34		
	50,690 M units at	.12 per M units	6,082 80		
				$ 6,556 14	
Schick Test	4,327 Outfits at	.20 each	865 40		
Toxoid	17,254 x 1 person at	.20 each	3,450 80		
	3,107 x 6 persons at	.80 each	2,485 60		
	10,782 x 12 persons at	1.00 each	10,782 00		
	786 Diluted at	.20 each	157 20		
				17,741 00	
					$ 24,297 14
Tetanus:					
Antitoxin	75,279,000 units at	$ 0.30 per M units	$ 22,583 70		
Intraspinal Outfits	157 outfits at	.45 each	70 65		
					22,654 35
Scarlet Fever:					
Antitoxin	10,552 prophylactic doses at	$ 0.75 each	$ 7,914 00		
	4,773 treatment doses at	2.75 each	13,125 75		
				$ 21,039 75	
Dick Test	6,723 outfits at	.20 each	$ 1,344 60		
Toxin	7,782 x 1 person at	.30 each	2,334 60		
	5,400 x 6 persons at	1.00 each	5,400 00		
				9,079 20	
					30,118 95
Anti-Meningococcus:					
Serum	1,569 x 20 cc vials at	$ 1.00 each	$ 1,569 00		
Intraspinal Outfits	250 at	.45 each	112 50		
				$ 1,681 50	

SMALLPOX:					
Vaccine	8,465 x 2 point packages at	$ 0.12 per package	$ 1,015 80		
	180,985 points at	4.5 per point	8,144 32		
				9,160 12	
RABIES:					
Vaccine	27 treatments at	$10.50 each	$ 283 50		
				283 50	
ANTI-ANTHRAX:					
Serum	4 x 50 cc vials at	$ 1.75 each	$ 7 00		
				7 00	
COST OF BIOLOGICAL PRODUCTS					$ 88,202 56
Cost of Syringes: 4,062 at 20c					812 40
					$ 89,014 96
Less Sale of Syringes: 4,062 at 20c					812 40
NET COST OF BIOLOGICAL PRODUCTS					$ 88,202 56
INSULIN	13,315 x 200 units vials at	$ 0.35 each	$ 4,660 25		
	50,334 x 400 units vials at	.65 each	32,717 10		
	3,888 x 800 units vials at	1.25 each	4,860 00		
	240 x 1000 units vials at	1.50 each	360 00		
	24,677 x 400 units P. Z. at	.72½ each	17,890 85		
	2 x 800 units vials P.Z. at	1.40 each	2 80		
COST OF INSULIN					$ 60,491 00
TOTAL COST OF BIOLOGICAL PRODUCTS AND INSULIN					$ 148,693 56

COMPARATIVE STATEMENT SHOWING COST OF BIOLOGICAL PRODUCTS AND INSULIN, 1926-1939

Fiscal Year	Diphtheria		Scarlet Fever		Tetanus Antitoxin	Anti-meningococcus Serum	Anti-Anthrax	Smallpox Vaccine	Rabies Vaccine	Biological Totals	Insulin	Total Costs
	Antitoxin	Toxoid	Antitoxin	Toxin								
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
1926–27	40,747 00	14,342 20	23,159 50	4,659 00	9,322 05	1,578 35	....	8,212 58	585 00	102,605 68	46,567 10	149,172 78
1927–28	35,407 02	10,427 40	20,595 50	3,483 70	10,518 00	1,632 40	....	13,711 73	4,728 59	100,504 34	48,943 60	149,447 94
1928–29	41,027 72	9,771 80	21,063 75	3,319 50	14,022 00	3,588 45	....	7,144 60	2,000 25	101,968 57	55,727 48	157,696 05
1929–30	46,784 30	9,486 40	34,031 45	5,287 30	15,171 75	3,452 15		7,892 65	1,638 00	123,744 00	62,728 16	186,472 16
1930–31	36,696 96	14,113 40	32,589 15	5,498 90	17,092 50	2,594 85	....	6,300 03	819 00	117,704 79	71,291 82	188,996 61
1931–32	27,217 73	20,874 16	22,115 82	4,316 25	17,872 34	2,526 48	....	4,495 83	411 07	99,829 68	84,367 15	184,196 83
1932–33	12,698 80	16,175 84	19,451 68	3,987 15	16,411 01	1,692 24	....	3,719 20	937 65	75,073 57	94,274 28	169,347 85
1933–34	12,797 38	14,482 68	27,971 97	5,287 77	19,529 70	1,593 75	....	5,617 34	418 95	87,699 54	102,517 65	190,217 19
*1934–35	5,077 50	5,286 20	14,203 20	3,069 70	6,266 40	569 40	7 00	2,638 75	94 50	37,212 65	44,517 45	81,730 10
1935–36	10,419 34	12,912 40	32,766 90	6,881 40	21,989 55	1,485 95	1 75	5,639 65	388 50	92,485 44	84,580 71	177,066 15
1936–37	8,576 36	14,783 40	23,867 25	6,745 50	20,715 15	1,760 95	10 50	5,342 98	252 00	82,054 09	60,252 40	142,306 49
1937–38	8,666 94	15,363 60	22,027 25	7,910 50	24,340 80	1,863 15	7 25	5,524 29	504 00	86,423 78	60,485 12	146,908 90
						** Typhoid-paratyphoid			216 00			
1938–39	6,556 14	17,741 00	21,039 75	9,079 20	22,654 35	1,681 50	7 00	9,160 12	283 50	88,202 56	60,491 00	148,693 56

*November, 1934 to March, 1935. **Purchased in addition to the amount supplied by the Laboratory.

DIVISION OF VENEREAL DISEASE CONTROL

A. L. McKay, B.A., M.B., D.P.H., Director.

On account of the increased importance being placed on the control of venereal diseases, a separate division was established in April. Formerly the activities were carried on under the Division of Preventable Diseases. This creation of a separate division has been of distinct advantage in allowing a concentration of effort in control measures.

In order to have a more complete knowledge of the incidence of syphilis and gonorrhoea, it was decided that some better means of reporting should be evolved. Opportunity was given through district meetings of the Ontario Medical Association to discuss this matter with the profession at Peterborough, Cobourg, Owen Sound, Hamilton and Windsor. Proposals were made for substitution of central reporting for that previously in force, which was to the Medical Officer of Health. It was also suggested that in reported cases of syphilis a regular enquiry by the Division would be made to ensure that adequate sustained treatment was being carried out. Both of these suggestions met with the approval of the profession and the regulations were amended to take care of these changes. Cases of both syphilis and gonorrhoea are now reported by the medical practitioner directly to the Division of Venereal Diseases Control by giving the initials of the patient, date of birth, sex and marital status. There is a follow-up made on each case of syphilis every four months and when it is found that a patient has discontinued treatment against advice, the medical officer will take the necessary action to have such patient returned for regular treatment. Further amendments to the present regulations are being made to assure insofar as possible that all patients suffering from syphilis will continue under treatment until cured.

In the nineteen venereal disease clinics operated by the department, the work has progressed satisfactorily. A statistical summary of the work follows and indicates that treatment has been administered to more than 10,000 patients. Several drugs have been added to those available for free distribution to the clinics. After more than three years of satisfactory experience in the clinics, Mapharsen was included with Novarsan for distribution to the profession. For the clinics tryparsamide and sulphapyridine were also added.

For those clinics whose volume of work had increased to warrant it, nine additional assistant physicians were added and the honorarium increased for those assistant physicians who had been previously appointed. Changes in the personnel of the social service nurses at Owen Sound, Sault Ste. Marie, Sudbury and Fort William also were made.

A one-day conference of all clinic directors was held in October, where papers were presented on the more recent advances in diagnostic methods and treatment. The papers presented were distributed with the discussion to all those who had attended. Considerable discussion took place as to the role the Division could play in assisting the military authorities in the control of venereal disease amongst the civilian population as it affected the militia. A scheme was worked out whereby sources of infection for cases discovered amongst the military forces were promptly reported to the Medical Officer of Health for examination and treatment. In the case of vagrants, or those found in bawdy houses, arrangements were completed with the Crown Attorneys to have such individuals held in custody until examination for venereal disease was completed. If found infected the Medical Officer of Health ordered their detention in custody for treatment. This co-operation has been most satisfactory.

The results of fever therapy at the Ontario Hospital, Toronto, have been so encouraging that centres are now being established in the venereal disease clinics at London and Kingston to serve those cities and the surrounding areas. Trained nursing personnel is being supplied to the clinics to carry out this treatment.

The total number of patients treated in the clinics remained approximately the same as in the previous year. The number of treatments given were less due largely to the decreased number of attendances necessary for the treatment of gonorrhoea with the substitution of sulphanilamide and sulphapyridine therapy for local treatment. At one of the clinics a six-day course of sulphapyridine therapy has given excellent results and has been recommended for adoption in the other clinics.

The number of patients discharged from the clinics as cured increased by ten per cent. over the previous year, and the number of patients lost before adequate treatment was given, although remaining at 1195 cases, was a reduction of ten per cent. over the number lost during the previous year. More stringent regulation requiring uninterrupted treatment should further reduce this figure in the future.

The increase in the number of cases of early syphilis (primary and secondary stages) to 581 over a figure of 419 in the previous year is of importance. This would indicate either an increase in the incidence of infectious syphilis or better use was being made of the clinics by the infectious patient applying for treatment for the infection when the best chance for favourable outcome is obtainable.

A summary of the work in the clinics follows:

Treatment for Syphilis:

Diarsenol	2,587
Novarsan	19,478
Mapharsen	21,423
Tryparsamide	2,538
Other Arsenicals	240
Mercury	1,916
Bismuth	48,024
Medicines	9,411
Other and advice	5,092

Treatment for Gonorrhoea:

Irrigations	42,940
Douche	1,285
Injections	7,054
Prostatic Massage	4,945
Instrumentation	915
Deep Instillation	1,498
Topical Applications	6,956
Vaccine	772
Examinations	2,878
Medicines, Sulphanilamide and Dagenan	7,956

Summary of Clinic Activities:

1.	Number carried over from previous year	6,218
2.	Number of new cases (never previously treated in clinic)	2,692
3.	Number of cases re-admitted	887
4.	Number of previously treated patients	789

5. Number of cases treated	10,586
6. Number of treatments	145,921
7. Number of contacts and sources examined	845
8. Number of visits made by nurses	4,571

Analysis of the above figures:

New cases (never previously treated in clinic)	2,692

	Male	Female
Syphilis	635	398
Gonorrhoea	1,133	418
D. I.	61	47

Number of cases re-admitted	887

	Male	Female
Syphilis	270	154
Gonorrhoea	331	63
D. I.	53	16

Number of cases previously treated	789

	Male	Female
Syphilis	320	160
Gonorrhoea	219	55
D. I.	23	12

Number of new and previously treated cases of Syphilis classified	1,489

	Male	Female
Primary	196	66
Secondary	162	157
Tertiary	575	333

Number of new and previously treated cases of Gonorrhoea classified	1,967

	Male	Female
Under 1 month	1,150	253
Under 2 months	121	107
Over 2 months	171	165

Number of paid treatments	145,921

	Male	Female
Syphilis	57,606	37,016
Gonorrhoea	40,812	10,487

Number of contacts and sources examined	845

Positive for Syphilis	106
Positive for Gonorrhoea	104

Number of children treatments	6,318

	Male	Female
Syphilis	2,578	2,406
Gonorrhoea	225	1,109

Number discharged from clinics	4,367
Number discharged apparently cured	2,309

	Male	Female
Syphilis	371	214
Gonorrhoea	1,241	373
D. I.	73	37

Number discharged without permission	1,195

	Male	Female
Syphilis	394	180
Gonorrhoea	474	89
D. I.	37	21

Number transferred	863

	Male	Female
Syphilis	320	164
Gonorrhoea	234	101
D. I.	26	18

Social Histories taken in clinics 3,716

Cases referred by:—Doctors, 756; self, 1,282; friends, 145; hospitals, 547; Other clinics, 424; social agency, 78; Department of Health, 253; jails, 59; re-admissions, 145; police, 27.

Number of cases referred to M. O. H. 1,169

Sources	194
Contacts	128
Non-attendance	847

Number of cases placed under V.D. Act 132

Number of cases prosecuted under V.D. Act 57

Analysis by Age Groups of New Admissions 3,480

	Male	Female
Under 16 years	37	98
16–19 years	135	154
20–29 years	1,049	480
30–39 years	569	235
Over 40 years	574	149

Number of patients treated in hospitals where clinics are situated 822

	Male	Female
Syphilis	183	114
Gonorrhoea	241	284

Number of days in hospital 11,517

Laboratory Examinations:

	Positive	Negative
Syphilis:		
Blood	5,483	8,344
Cerebro Spinal fluid	143	338
Darkfield	83	96
Gonorrhoea:		
Diagnosis	1,984	6,378
Prognosis	2,465	5,113

Correspondence has been carried out for follow-up through the Medical Officers of Health of contacts, sources of infection and removals from one municipality to another as follows:

Number of cases referred for follow-up 801

Receiving treatment or negative	377	
Lost, including no reply from M. O. H	135	
Doubtful as to whether or not treatment is being continued (including those removed to other provinces)	56	
		568

Of the above, the following number were reported as sources of infection:

Positive	29
Negative	28
Lost	29

Number of contacts of 51 patients referred by the Ontario Hospitals 111

Positive	15
Negative	76
Lost or refused examination	20

Number incomplete fyles and carried over to 1940 122

DIVISION OF TUBERCULOSIS PREVENTION

G. C. Brink, M.B., *Director.*

Despite the efforts that have been put forth by official and voluntary agencies toward the control of tuberculosis, this disease remains a major public health problem in that—

(a) Tuberculosis still ranks as the second highest cause of death in persons between 15 and 39 years of age, being exceeded only by accidents.

(b) More than 85% of the patients admitted to sanatoria with pulmonary tuberculosis have moderately advanced or far advanced disease.

(c) The economic loss to the Province of Ontario because of morbidity and premature death, caused by tuberculosis, is difficult to estimate, but the direct cost amounts to approximately three and one-half million dollars per year.

The tuberculosis death rate in Ontario reached its lowest point in 1938, viz., 33.1 per 100,000 population; this figure compares with a tuberculosis death rate of 54.7 for Canada during the same year.

Although there has been a steady decline in the tuberculosis death rate since 1930, it can be anticipated that to bring about a continuance of the decrease, greater efforts will be required than were necessary in earlier years. By such efforts we refer to:

A. Greater Diagnostic Facilities.

(1) Tuberculosis surveys of apparently healthy individuals, particularly the age group 20 to 40 years.

(2) The making of chest X-ray films more easily available by lowering the cost to the public.

(3) The taking of routine chest X-ray films of all persons admitted to public hospitals.

(4) More frequent visits by diagnostic chest clinics to certain sections of the Province.

B.

More education of the public as to the various aspects of tuberculosis, namely, prevention, early detection and the value of prompt sanatorium treatment.

C.

An increase in sanatorium beds in certain sections of the Province to make possible sanatorium treatment for all individuals suffering from active pulmonary tuberculosis (see Tables XVI. to XIX).

D.

More prompt and adequate reporting of all cases of tuberculosis by family physicians and medical officers of health.

Since the Amendments to *The Sanatoria for Consumptives Act* came into effect on July 1, 1938, there has been an opportunity to observe the results which can reasonably be attributed to this legislation. Among some of the outstanding results the following should be mentioned:

(a) A much shorter time now elapses between the time of diagnosis and the time of admission to sanatorium due chiefly to the Provincial Government relieving the municipalities of their former maintenance charges.

(b) Patients may now be discharged after a shorter stay in sanatorium, due chiefly to the responsibility for the provision of aftercare being definitely placed by the new legislation upon the municipalities, as well as the increased facilities for pneumothorax treatments upon ex-patients of sanatoria.

(c) The number of re-admissions to sanatoria in the year ending September 30, 1939, was 386 as against 504 in the year ending September 30, 1937. This condition is, without doubt, the result of the improved care now provided for patients upon discharge from sanatorium.

(d) Approximately 10% more patients were treated in Ontario sanatoria during the hospital year ending September 30, 1939, than in the last full hospital year under the old legislation.

(e) There is a more equitable distribution of the costs of treating tuberculosis throughout the Province.

(f) Patients in sanatoria are now relieved of a greater extent of the financial worry associated with their treatment. The present system permits a patient to retain certain assets in order that he may be in a better position to rehabilitate himself following discharge.

During the last year the following advances were made in the programme for the prevention of tuberculosis:

(a) In March, 1939, the Provincial Department of Health placed tuberculin for diagnostic purposes upon the free list for distribution to physicians, hospitals and clinics. Up to the end of December, 1939, 766 physicians, 62 hospitals and 9 clinics (not departmental) were supplied with tuberculin under this arrangement. In all, 8,890 cc's of tuberculin solution were distributed.

(b) Provision was made for the compulsory examination of persons suspected of having tuberculous disease by further Amendments to *The Sanatoria for Consumptives Act* passed in the spring of 1939.

REPORT OF THE WORK DONE BY THE TRAVELLING CHEST CLINICS

During 1939 Travelling Chest Clinics have operated with headquarters in Toronto, Ottawa, Belleville, Timmins and North Bay. The Fort William clinic was closed during the year, but the clinic from Toronto visited 11 centres in north-western Ontario in July and August, examining 820 persons; the report of this work is included in the report of the Central Clinic.

Clinics were conducted in 84 centres; 4 centres were visited for the first time.

The unit, with headquarters in Toronto, conducted 31 clinics in the following centres: Brockville (3), Peterborough (3), Owen Sound (3), Oshawa (3), and one in each of the following: Collingwood, Ridgetown, Aylmer, Tillsonburg, Hanover, Amherstburg, Midland, Penetang, Newmarket, Lindsay, Leamington, Palmerston, Listowel, Wiarton, Kincardine, Flesherton, Meaford, Shelburne and Orangeville; also 11 clinics in north-western Ontario—Schreiber, Nipigon, Geraldton, Armstrong, Sioux Lookout, Dryden, Kenora, Emo, Rainy River, Fort Frances and Fort William.

The Unit, with headquarters in Ottawa, conducted 36 clinics in the following centres: Ottawa (12), Pembroke (2), Eganville (2), Prescott (2), Smith's Falls (2), Hawkesbury (2), Perth (2), Renfrew (2), Plantagenet (2), and one in each of the following: Arnprior, Bourget, Rockland, Casselman, Kemptville, Carleton Place, and Almonte.

The Unit, with headquarters in Timmins, conducted 15 clinics in the following centres: Hearst (2), Larder Lake (2), Englehart (2), Kapuskasing (2), Smooth Rock Falls (2), Cochrane (2), Iroquois Falls (2), Englehart (2), and Moonbeam (1).

Clinics were held in Timmins three days each week for 35 weeks.

In addition to the regular clinic work, 152 pneumothorax refills were given to ex-sanatorium patients at this centre.

The Unit, with headquarters in North Bay, conducted 41 clinics in the following centres: North Bay (12), Sudbury (3), Sturgeon Falls (2), Mattawa (2), Sault Ste. Marie (2), Blind River (2), Thessalon (2), Bruce Mines (2), Richard's Landing (2), and one in each of the following: Verner, Parry Sound, Chapleau, Capreol, South River, Burk's Falls, Huntsville, Gore Bay, Mindemoya, Little Current, Espanola and Manitowaning.

In addition to the regular clinic work, 85 pneumothorax refills were given to ex-sanatorium patients at this centre.

The Unit, with headquarters in Belleville, conducted 28 clinics in the following centres: Belleville (11), Wellington (2), Cobourg (2), Napanee (2), and one in each of the following: Port Hope, Picton, Colborne, Tweed, Madoc, Hastings, Campellford, Haliburton, Bancroft, Stirling and Marmora.

In addition to the regular clinic work, 432 pneumothorax refills were given to ex-sanatorium patients at this centre.

The following tables give a summary of the work done:

Table I, General Summary.

Tables II, III and IV give details in respect to newly discovered cases of tuberculosis.

Tables V and VI give details in respect to persons recommended for sanatorium treatment.

Table VII gives details regarding changes in diagnoses made in repeat examinations.

Table VIII gives details regarding the present condition of ex-sanatorium patients examined at the clinics.

TABLE I

SUMMARY OF CLINIC WORK

		Toronto	Ottawa	Belle-ville	Tim-mins	North Bay	TOTALS
1. Pulmonary Tuberculosis	1st Ex.	188	86	76	93	116	559
	Repeat	434	340	242	274	378	1668— 2227
(a) Regarding Activity—Active	1st Ex.	82	34	38	45	80	279
	Repeat	53	43	35	32	105	268— 547
Inactive	1st Ex.	106	52	38	48	36	280
	Repeat	381	297	207	242	273	1400— 1680
(b) Regarding Discovery Cases previously diagnosed	1st Ex.	98	33	22	36	27	216
	Repeat	409	317	236	262	357	1581— 1797
Newly discovered Cases	1st Ex.	90	53	54	57	79	333
	Repeat	25	23	6	12	21	87— 420
(c) Regarding Extent of Disease, Childhood (all types)	1st Ex.	18	5	4	6	10	43
	Repeat	38	23	13	63	46	183— 226
Minimal	1st Ex.	70	43	28	39	42	222
	Repeat	184	207	108	117	182	801— 1023
Moderately Advanced	1st Ex.	78	30	30	34	32	204
	Repeat	169	96	97	72	98	532— 736
Advanced	1st Ex.	22	8	14	14	32	90
	Repeat	43	14	24	22	52	155— 245
2. Extra Pulmonary Tuberculosis	1st Ex.	13	2	1	5	3	24
	Repeat	4	2	0	0	0	6— 30
3. Presumptive Evidence or Suspected Tuberculosis	1st Ex.	24	11	8	18	24	85
	Repeat	19	7	12	19	22	71— 156
4. Recommended for Sanatorium	1st Ex.	64	18	34	44	67	227
	Repeat	39	39	24	23	86	211— 438
5. Non-Tuberculous Chest Disease	1st Ex.	120	80	82	67	48	397
	Repeat	57	57	54	42	50	260— 657
6. No Disease	1st Ex.	1936	1085	1116	1366	1429	6932
	Repeat	1241	764	467	698	807	3977—10909
7. Totals	1st Ex.	2281	1264	1283	1549	1620	7997
	Repeat	1747	1170	775	1033	1257	5982—13979
Total Number of Examinations		4028	2434	2058	2582	2877	13979

1st—1st Exam.

R.—Repeat Exam.

TABLE II

CLASSIFICATION OF NEWLY DISCOVERED CASES

Total 420

Age Groups	Totals		History of Contact	CHILDHOOD				MINIMAL				Moderately Advanced				Advanced				Pleurisy with Effusion		Tuberculous Adenitis	
				Active		Inactive		Active		Inactive		Active		Inactive		Active		Inactive					
	1st	R.		1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.
0 to 9	19	7	+	16	4	3	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	9	5	—	3	2	3	2	1	....	....	....	1	1	..	....	1	....	....	....	....	....	....	....
10 to 19	26	31	+	3	3	1	2	14	9	1	9	1	8	....	....	4	....	....	....	1	....	1	....
	25	3	—	3	1	2	....	8	....	2	....	4	2	....	....	5	....	....	....	....	....	1	....
20 to 29	34	18	+	....	....	....	....	13	9	9	7	5	1	2	....	4	1	....	....	....	....	1	....
	42	4	—	....	....	....	1	14	2	4	1	11	....	1	....	12	....	....	....	....	....	....	....
30 to 39	20	8	+	....	....	....	....	7	2	4	4	5	1	3	....	1	1	....	....	....	....	....	....
	44	3	—	....	....	....	....	10	....	11	3	13	....	2	....	8	....	....	....	....	....	....	....
40 to 49	18	3	+	....	....	....	....	4	....	6	1	6	1	2	1	....	....	....	....	....	....	....	....
	37	4	—	....	....	....	....	6	....	11	1	10	1	3	2	6	....	1	....	....	....	....	....
50 and over	22	0	+	....	....	....	....	1	....	10	....	6	....	5	....	....	....	....	....	....	....	....	....
	37	1	—	....	....	....	....	....	....	8	1	10	....	6	....	12	....	1	....	....	....	....	....
	333	87	+206 —214	19 6	7 3	4 5	5 3	39 39	20 2	30 36	21 6	23 49	11 4	12 12	1 2	9 44	2 0	0 2	....	1 0	....	2 1	....
	....	....	420	25	10	9	8	78	22	66	27	72	15	24	3	53	2	2	....	1	....	3	....

TABLE III

TABLE SHOWING RELATION OF NUMBER OF NEW CASES OF TUBERCULOSIS DISCOVERED TO NUMBER OF CONTACTS EXAMINED FOR FIRST TIME.

Age Groups	Number Contacts Examined for First Time	Number of Cases of Tuberculous Disease Discovered	Percentage of Contacts Examined Showing Disease %
0 to 9	632	19	3.
10 to 19	862	26	3.
20 to 29	1035	34	3.2
30 to 39	599	20	3.3
40 to 49	303	18	5.9
50 and over	272	22	8.
Totals	3703	139	3.7

TABLE IV

SUMMARY OF NEWLY DISCOVERED CASES

Classification	Number	Percentage of Total %	Percentage of Number with Adult Type of Disease %
Pulmonary—			
Childhood type	52	12.4	.. ....
Minimal	193	46.0	52.4
Moderately Advanced	114	27.1	31.2
Advanced	57	13.6	15.4
Extra Pulmonary	4	.9	.. ...
Total	420	100.	100.

Remarks on Tables II, III and IV.

1. Although the number of examinations was approximately the same as in 1938, the number of newly discovered cases of tuberculosis decreased from 707 in 1938, to 420 in 1939. This is accounted for to some extent by less clinic work being carried out among Treaty Indians; out of the 707 new cases in 1938, 253 were Indians, while in 1939 only 35 were Indians. This shows a decrease from 454 new cases, among the whites in 1938, to 385 in 1939, viz., a decrease of 15.2%.

2. 206 of the newly discovered cases gave a history of contact with tuberculosis while 214 gave no history of contact.

3. 227 or 54% of the newly discovered cases were recommended for sanatorium treatment; the majority of the remainder were considered to have inactive disease.

4. The precentage of new cases discovered in the minimal stage still remains over 50% of those of the adult type.

5. Of the 206 cases of tuberculosis discovered in the contact group, 136 or 66% attended the clinic because of contact only and with no symptoms.

1st—1st Exam.

R.—Repeat Exam.

TABLE V

CLASSIFICATION OF PATIENTS RECOMMENDED FOR SANATORIUM TREATMENT—Total 438

Age Groups	Totals		History of Contact	Suspects		Childhood				Minimal				Moderately Advanced				Advanced				Non-Pulmonary Tuberculosis						Silicosis	
						Active		Inactive		Active		Inactive		Active		Inactive		Active		Inactive		Pleurisy with Effusion		Tbc. Spine		Tbc. Adenitis			
	1st	R.		1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.	1st	R.
0 to 9	9	4	+	....	....	7	3	....	....	1	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
	2	2	—	....	....	....	....	....	....	....	....	....	....	1	2	....	....	1	....	....	....	....	....	....	....	....	....	....	....
10 to 19	25	39	+	1	1	3	3	....	2	10	14	....	2	1	14	....	....	6	3	....	....	3	....	....	....	1	....	....	....
	23	13	—	1	1	1	2	....	....	9	5	....	....	4	3	....	....	6	1	....	....	2	1	....	....	....	....	....	....
20 to 29	28	41	+	1	....	....	....	....	....	13	13	....	1	7	9	2	2	4	15	....	....	....	1	1	....	....	....	....	....
	39	32	—	1	1	....	....	....	....	9	5	....	....	13	17	....	....	15	8	....	1	....	....	1	....	....	....	....	....
30 to 39	12	18	+	....	1	....	....	....	....	5	9	....	....	4	6	..	2	2	10	1	....	....	....	....	..	....	....	....	....
	34	14	—	....	....	....	....	....	....	8	4	....	1	19	2	....	....	7	6	....	1	....	....	....	....	....	....	....	....
40 to 49	3	9	+	....	1	....	....	....	....	....	....	....	....	2	5	1	1	....	2	....	....	....	....	....	....	....	....	....	....
	22	15	—	....	....	...	....	....	....	6	3	....	....	9	9	....	....	7	3	....	....	....	....	....	....	....	....	....	....
50 and over	5	5	+	....	....	...	...	....	....	1	....	....	....	3	2	....	....	1	3	....	....	....	....	....	....	....	....	....	....
	25	9	—	....	....	....	....	....	....	....	....	....	....	8	4	....	....	17	4	....	....	....	....	....	....	....	....	....	1
	227	211	+208 —230	2 2	3 2	10 1	6 2	....	2 0	30 32	37 17	....	3 1	17 54	36 37	3 0	5 0	14 53	33 22	1 0	0 2	3 2	1 1	1 1	....	1 0	....	....	0 1
	....	....	438	4	5	11	8	....	2	62	54	....	4	71	73	3	5	67	55	1	2	5	2	2	....	1	....	....	1

TABLE VI

SUMMARY OF ALL CASES RECOMMENDED FOR SANATORIUM TREATMENT

CLASSIFICATION	Number	Percentage of Total %	Percentage of Number with Adult Type of Disease %
Pulmonary—			
Childhood type	21	4.8	....
Minimal	120	27.4	30.2
Moderately Advanced	152	34.7	38.3
Advanced	125	28.5	31.5
Pleurisy with Effusion	7	1.6	....
Extra Pulmonary Tuberculosis	3	.7	....
Suspects	10	2.3	....
Total	438	100.	100.

TABLE VII

CHANGES IN DIAGNOSIS ON REPEAT EXAMINATIONS

DIAGNOSIS AT CLINIC EXAMINATION IN 1939

PREVIOUS DIAGNOSIS	Total	No Change	No Disease	Suspects	Childhood		Minimal		Moderately Advanced		Advanced		Thickened Pleura	Pleurisy with Effusion	Bronchiectasis	Other Non-Tuberculous Lung Condition
					Active	Inactive	Active	Inactive	Active	Inactive	Active	Inactive				
No Disease	3973	3870	....	23	6	7	18	22	6	....	2	....	5	2	2	10
Suspects	119	47	40	....	2	4	6	12	2	1	....	....	3	....	....	2
Childhood—Inactive	148	121	22	....	1	....	2	....	....	1	....	....	....	....	1	....
Childhood—Active	36	20	2	....	....	11	....	1	1	....	....	....	1	....	....	....
Minimal—Inactive	684	627	26	....	....	....	11	....	13	4	1	....	1	....	....	....
Minimal—Active	77	27	5	1	....	1	....	39	2	....	2	....	....	....	....	....
Moderately Advanced—Inactive	439	406	1	....	....	....	....	6	19	....	7	....	....	....	....	....
Moderately Advanced—Active	90	43	....	....	....	....	....	12	....	26	7	....	....	....	1	1
Advanced—Inactive	77	73	....	....	....	....	....	....	....	1	3	....	....	....	....	....
Advanced—Active	64	51	....	....	....	....	....	....	....	4	....	8	....	....	1	....
Thickened Pleura	105	91	10	....	....	....	1	1	....	....	....	....	....	....	....	2
Pleurisy with Effusion	18	7	4	....	....	....	....	....	1	....	....	....	6	....	....	....
Bronchiectasis	30	29	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Other Non-Tbc. Lung	114	92	14	....	....	....	1	1	1	1	....	1	1	....	2	....

Remarks on Changes in Diagnoses.

1. Of the 3,973 showing no disease on previous examination, 63 or 1.6% developed some form of tuberculous disease.

2. Of the 1,200 cases of inactive adult type of disease, 54 or 4.5% had become re-activated.

3. Of 119 persons previously classified as suspects, 27 or 22.7% developed some type of tuberculous disease.

4. Of 184 previously diagnosed as childhood type, only 5 or 2.7% developed adult type of disease.

5. Of 761 minimal cases examined in some previous year by the clinics, only 22 or 2.9% extended beyond that stage.

6. Of 90 moderately advanced, active cases examined in some previous year by the clinics, 38 or 42.2% had become inactive.

7. of 77 advanced, active cases examined in some previous year by the clinics, only 12 or 15.5% had become inactive.

TABLE VIII

CLASSIFICATION (on last examination) OF PATIENTS WHO HAD RECEIVED SANATORIUM TREATMENT—Total 895

Age Groups	Sex	No Disease	Suspects	Non-Tuberculous Chest Conditions	Childhood		Minimal		Moderately Advanced		Advanced		Thickened Pleura	Tuberculosis of Spine	Tuberculous Adenitis
					Active	Inactive	Active	Inactive	Active	Inactive	Active	Inactive			
0 to 9	M	3	....	....	....	3	....	1	....	....	....	....	....	....	....
	F	1	....	....	1	1	....	1	....	....	....	....	....	....	....
10 to 19	M	2	...	....	....	3	1	15	...	11	..	...	....	...	....
	F	12	....	....	....	2	....	17	2	6	1	1	1	....	....
20 to 29	M	1	....	3	....	1	2	25	3	56	8	7	3	1	....
	F	10	....	4	....	....	6	61	13	78	4	18	1	1	....
30 to 39	M	8	1	2	....	2	1	37	4	44	3	14	....	....	....
	F	5	3	1	....	....	4	48	3	72	6	9	1	....	....
40 to 49	M	5	1	2	....	....	....	15	3	29	6	12	....	....	....
	F	2	....	....	....	....	1	11	6	37	2	10	....	....	....
50 and Over	M	....	....	....	....	....	1	15	....	25	9	6	1	....	....
	F	....	....	....	....	....	....	8	2	13	1	2	....	....	1
Totals		49	5	12	1	12	16	254	36	371	40	79	7	2	1

Remarks on Patients Examined Who Had Received Treatment in Sanatorium.

1. 885 examinations were conducted on persons who had received treatment in sanatorium.

2. Tuberculosis was no longer considered a factor in the health of 49, or 5.4%.

3. Of the 819 with definite tuberculous disease, 93, or 11.4%, were considered to have active disease and in need of further sanatorium treatment; and 716, or 87.4%, were considered to have inactive disease.

Clinic Work Among Treaty Indians.

Diagnostic work among Treaty Indians was carried out to a lesser extent than in 1938—803 examinations being made.

(a) Surveys were made for the second time of 4 residential schools comprising 493 children.

(b) 310 were referred to the clinics in various centres.

For detailed information see Table IX.

TABLE IX.

RESULTS OF CLINIC EXAMINATIONS OF TREATY INDIANS—1939

Findings	Number	Percentage of Those with Tuberculous Disease	Percentage of Those with Pulmonary Tuberculosis	Percentage of total cases Examined
		%	%	%
I Tuberculous Disease	108	....	....	13.2
1. Active	60	56.6	....	....
Inactive	48	43.4	....	....
2. Cases previously diagnosed	73	66.9	....	....
New cases discovered	35	33.1	....	....
3. Pulmonary tuberculosis	94	88.6	....	....
Childhood type	26	....	26.6	....
Minimal	33	....	34.0	....
Moderately advanced	21	....	22.3	....
Advanced	16	....	17.0	....
4. Extra-pulmonary tuberculosis	12	11.4	....	....
5. Recommended for sanatorium	51	48.1	....	6.3
II Suspects	15	....	....	1.7
III Non-tuberculous chest conditions	7	....	....	.87
IV No evidence of disease	683	....	....	84.1
Total number examined	813	....	99.9	100.0

Miscellaneous.

1. The Central Office interprets films referred from various agencies, e.g., secondary school surveys, home service training schools, industrial schools and public hospitals. During 1939, 1,216 such films were submitted for interpretation.

2. The Central Office has taken 459 films on patients and staff of the Toronto Psychiatric Hospital.

3. 502 films were taken in the Central Office; 66 on soldiers who were discharged from the army because of chest conditions, 36 on ex-sanatorium patients receiving after-care from this Department, 16 on patients receiving mothers' allowance because of tuberculosis, 14 on applicants for positions in the Department of Health, and 370 on patients referred by physicians for examination and on Departmental staff.

4. The staff of the Division, assisted by physicians from the Ontario Hospitals, examined 1,374 ex-service men for positions as Provincial Police Guards. Each man received a complete physical examination, including an X-ray film of the lungs. 1,274 of the films were taken by this Division.

TUBERCULIN TESTING AND X-RAYING OF NURSES, BOTH NON-GRADUATE AND GRADUATE, IN PUBLIC HOSPITALS, HOSPITALS FOR INCURABLES, AND SANATORIA

This Division continued to collect and tabulate the returns respecting the above work. There is still considerable delay in certain hospitals in carrying out the Regulations in respect to tuberculin testing and X-raying of their nurses; some still wait for the sending out of the forms from the Department before undertaking the work instead of keeping their records up-to-date.

In the Fall of 1938, Regulations were issued under *The Public Hospitals Act* requiring tuberculin testing and X-raying of all members of the hospital staff having contact with patients or with patients' food in the same manner as the nursing staff, i.e., dietitians, maids, orderlies, internes, technicians and masseurs. No detailed reports were requested regarding this additional work for 1939 as the Regulations had been in effect such a short time.

The summary of the findings in respect to nurses is contained in Tables X, XI and XII.

The fact that 29 non-graduate and 11 graduate nurses developed active disease requiring treatment in the past year is strong evidence that tuberculosis is still a major hazard among nurses employed in hospitals and sanatoria.

TABLE X

RECORD OF TUBERCULIN TESTING AND X-RAYING OF NON-GRADUATE NURSES 1938-39

	No. Reported	No. Pos. Reactors	% Pos. Reactors	No. X-Rayed	No. Previously Known Cases T. Bc. Disease	No. Newly Discovered Cases T. Bc. Disease	% of Total with Newly Discovered Disease
Public and Red Cross Hospitals	4488	2409	53.7	2281	11	32 plus 1 suspect	.69
Hospitals for Incurables	78	46	58.9	27	0	0	.0
Sanatoria	109	106	97.2	106	19	0	.0
	4675	2561	54.7	*2414	30	33	.68

*The difference in the number of positive reactors and the number X-rayed is accounted for by the fact that some probationers were not accepted for training and some third-year students graduated and left the hospital within the 12 months after the last X-ray was taken.

CLASSIFICATION OF DISEASE	DISPOSAL
1. Newly Discovered Cases—Total 33.	
*17 minimal, active	(a) 12 admitted to sanatorium. (b) 4 returned home under adequate supervision (c) 1 was in hospital for a time and then home.
* 6 moderately advanced, active	(a) 5 admitted to sanatorium. (b) 1 returned home.
* 1 primary infection, acute	returned home under adequate medical supervision.
* 5 pleurisy with effusion	(a) 3 admitted to sanatorium. (b) 1 treated in hospital. (c) 1 returned home under adequate medical supervision.
3 minimal, inactive	(a) 2 returned home under adequate medical supervision. (b) 1 remained on duty under adequate medical supervision.
* 1 suspect	remained on duty under adequate medical supervision.

*(27 newly discovered cases of tuberculosis required treatment).

2. Previously Known Cases—Total 30.	
* 1 tuberculous peritonitis	admitted to sanatorium.
* 1 moderately advanced, active	admitted to sanatorium.
20 minimal, inactive	all remained on duty under adequate medical supervision.
5 moderately advanced, inactive	all remained on duty under adequate medical supervision.

(*2 previously known cases became active and required treatment.)

TABLE XI

RECORD OF TUBERCULIN TESTING AND X-RAYING OF GRADUATE NURSES 1938-39

	No. Reported	No. Pos. Reactions	% Pos. Reactors	No. X-Rayed	No. Previously Known Cases T. Bc. Disease	No. Newly Discovered Cases T. Bc. Disease	% of Total with Newly Discovered Disease
Public and Red Cross Hospitals	2430	1816	74.9	1779	9	6 plus 1 suspect	.26
Hospitals for Incurables	154	84	54.4	71	1	0	.0
Sanatoria	502	479	95.4	488	15	5	1.01
	3086	2379	77.2	2338	25	12	.38

CLASSIFICATION OF DISEASE	DISPOSAL
1. Newly Discovered Cases—Total 12.	
*7 minimal, active	(a) 2 admitted to sanatorium. (b) 2 treated in hospital. (c) 3 returned home under adequate medical supervision.
*1 moderately advanced, active	admitted to sanatorium.
3 minimal, inactive	(a) 1 returned home under adequate medical supervision. (b) 2 remained on duty under adequate medical supervision.
1 suspect	remained on duty under adequate medical supervision.

*(8 newly discovered cases of tuberculosis required treatment).

CLASSIFICATION OF DISEASE	DISPOSAL
2. Previously Known Cases—Total 25.	
* 1 minimal, active	returned home under adequate medical supervision.
* 2 moderately advanced, active	(a) 1 admitted to sanatorium. (b) 1 returned home under adequate medical supervision.
17 minimal, inactive 3 moderately advanced, inactive 1 advanced, inactive	all remained on duty under adequate medical supervision.
1 moderately advanced, inactive	returned home under adequate medical supervision.

(*3 of the nurses previously known to have tuberculosis became reactivated and required further treatment.)

TABLE XII

TUBERCULIN TESTING AND X-RAYING OF NURSES IN PUBLIC AND RED CROSS HOSPITALS, HOSPITALS FOR INCURABLES AND SANATORIA

(Comparisons of Returns made in 1937, 1938 and 1939)

	No. Reported	No. Positive Reactors	Percent-Positive Reactors %	No. X-Rayed	No. previously known cases of Tuberculosis reported	No. of newly discovered cases of Tuberculosis	Percentage of total with newly discovered Disease %	No. of new cases in need of active treatment
Graduates 1939, 1938, 1937	2278	1646	72.2	1711	12	18	.79	12
	2926	2166	74.3	2161	19	35	1.19	24
	3086	2379	77.2	2338	25	12	.38	8
Non-Graduates 1939, 1938, 1937	4170	1913	45.9	2111	13	26	.62	20
	4808	2351	46.8	2483	9	24	.49	18
	4675	2561	54.7	2414	30	33	.70	27

TUBERCULIN TESTING AND X-RAYING OF STUDENTS IN NORMAL SCHOOLS, THE COLLEGE OF EDUCATION AND THE TECHNICAL TEACHERS' TRAINING COLLEGE

The Division co-operated with the Department of Education once more in tuberculin testing and X-raying of students seeking admission to the above mentioned institutions.

The results are given in Table XIII and compared with results in previous years.

TABLE XIII

Year		No. Enrolled	No. Tuberculin Tested	No. Positive Reactors	% Positive Reactors	No. X-Rayed	No. Showing Evidence Active Tuberculous Disease	% of Total Enrolment
1936	Normal Schools....	....	1140	330	29.0	330	10	.9
	College of Education..........	....	297	139	46.8	139	1	.3
1937	Normal Schools....	....	1059	289	27.2	289	6	.5
	College of Education..........	....	277	111	40.1	111	0	....
1938	Normal Schools....	950	841	200	23.7	216	10	1.0
	College of Education..........	317	272	107	38.6	150	0	0
1939	Normal Schools....	1258	1143	259	22.6	293	10	.8
	College of Education..........	293	266	62	23.3	91	0	....
1938	Technical Teachers' Training College................	19	0	....	....	19	0	0
1939	Technical Teachers' Training College................	14	0	....	....	14	....	....

Remarks on Table XIII.

It is interesting to note that the incidence of tuberculous infection among the students both in the Normal Schools and College of Education has decreased each year since this work was first instituted. However, the percentage of those found to have active tuberculous disease has shown no appreciable change.

TABLE XIV

THE AVERAGE COST OF DISCOVERING A CASE OF TUBERCULOUS DISEASE ON FIRST EXAMINATION

(Based on average cost of $4.34 per Clinic examination)

Age Groups	Number of first Exams.	Total cost of Examinations	Number of cases of Tuberculous disease discovered	Average cost per case	Number of cases discovered requiring Sanatorium Treatment	Average cost of discovering a case requiring Sanatorium Treatment
0 to 9	1035	$4491.90	28	$160.42	10	$449.19
10 to 19	1728	7499.52	51	147.05	36	208.32
20 to 29	2271	9856.14	76	129.68	55	179.20
30 to 39	1428	6197.52	64	96.83	39	158.91
40 to 49	835	3623.90	55	65.89	26	139.38
50 and over	700	3038.00	59	51.45	25	121.52
Totals..	7997	$34,706.98	333	$104.22	191	$181.71

TABLE XV

THE AVERAGE COST OF DISCOVERING A NEW CASE OF TUBERCULOUS DISEASE BY REPEAT EXAMINATION

(Based on average cost of $4.34 per clinic examination.)

Number of Repeat Examinations	4,400
Cost of this service	$19,096.00
Number of new cases discovered	87
Average cost per case	$219.50
Number of cases recommended for Sanatorium Treatment	36
Average cost of discovering a case requiring Sanatorium Treatment by repeat examination..	$530.00

THE FREQUENCY OF PREVIOUS SANATORIUM TREATMENT IN PATIENTS DYING OF TUBERCULOSIS

In 1930 and 1936, and again in 1938, follow-up studies were conducted with the co-operation of the staffs of Ontario sanatoria in order to determine the proportion of persons dying of tuberculosis who had had the benefit of sanatorium treatment within five years of death. Some of the data available for 1938 are presented in the following sections:

In Table XVI is given a summary of the findings of the 1938 survey for all cases as well as for pulmonary cases only. A separate tabulation has been made for Indians alone for comparison with the rest of the population.

TABLE XVI

HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH IN PERSONS DYING OF TUBERCULOSIS IN ONTARIO IN 1938

Place of Residence	Whites and Indians					
	All Forms			Pulmonary Only		
	Number of Deaths	Number Treated in Sanatorium	%	Number of Deaths	Number Treated in Sanatorium	%
Districts*	191	63	32.9	157	63	40.1
Counties*	406	193	47.5	344	190	55.2
Cities and Towns, 5,000 and over	655	428	65.3	579	414	71.1
Totals	1252	684	54.6	1080	667	61.7
			Indians			
Districts*	93	6	6.5	77	4	5.2
Counties*	26	4	15.3	24	4	16.7
Cities and Towns, 5,000 and over	0	......	......	0	......	......
Total	119	10	8.2	101	8	7.9
			Whites			
Districts*	98	57	57.5	80	59	73.7
Counties*	380	189	49.7	320	186	58.0
Cities and Towns, 5,000 and over	655	428	65.3	579	414	71.1
Total	1133	674	59.4	979	659	67.3

*Excluding Cities and Towns of 5,000 and over.

Before commenting on the figures in Table XVI, it is emphasized that in the survey for 1930, only 40 per cent. of all persons (White and Indian) who died of tuberculosis (all forms) had received treatment in a sanatorium in the five years prior to death, while in 1936 the proportion had risen to 49.1 per cent. The 1938 figures show that still only 54.6 per cent. of persons dying with tuberculosis had had the benefit of sanatorium care within five years of death. For pulmonary cases alone the percentage was 61.7.

For the *white* population alone the percentage of those dying of tuberculosis in 1936, who had been treated in sanatorium within five years prior to death, was 54.0 per cent. In 1938 the figure was 59.4 per cent. for all cases and 67.3 per cent. for pulmonary cases only, one-third of those dying, therefore, not having had the benefit of sanatorium treatment within five years before death. A further point emphasized by the figures for this group in Table XVI is the low proportion of tuberculosis deaths (all forms) in non-urban parts of counties in which there was a history of previous sanatorium care—49.7 per cent. compared with 65.3 per cent. in urban areas.

Among *Indians* alone only 6 of 107 dying of tuberculosis in 1936 had been in a sanatorium in the five years before death. In 1938 only 10 out of 119 dying of tuberculosis, or 8.4 per cent. had had the benefit of such care. Even in pulmonary cases only 8 out of 101 had a history of sanatorium care.

In Tables XVII, XVIII and XIX are presented details of the survey results for each county, district and municipality. For non-urban parts of the districts and for counties, figures are given separately for Indians and the white population for pulmonary cases only. The data on municipalities show the findings for all cases and for pulmonary cases alone. A review of these data serves to emphasize the variations from county to county, district to district, and municipality to municipality in the proportion of residents dying of tuberculosis who had received sanatorium care within five years of death. The infrequency of a history of sanatorium care among the Indian group is again striking.

It must be stressed that these data refer in part to a period *before* the revision of *The Sanatoria for Consumptives Act* and before the new arrangement for payment of patients maintenance came into effect (July 1st, 1938). Some considerable improvement is to be expected in future, but such improvement will be reflected in the experience of the white population only and *not* necessarily among the Indians.

TABLE XVII

HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH

In Persons Dying of Tuberculosis (Pulmonary Only) Ontario, 1938.

Counties Exclusive of Cities and Towns of 5,000 and Over.

County	Pulmonary Tuberculosis Deaths			Sanatorium Treatment*			Per Cent. Treated in Sanatorium		
	Whites	Indians	Total	Whites	Indians	Total	Whites	Indians	Total
Brant	6	6	12	4	0	4	67	0	33
Bruce	5	7	12	4	0	4	80	0	33
Carleton	7	0	7	3	0	3	43	0	43
Dufferin	1	0	1	1	0	1	100	0	100
Dundas	1	0	1	0	0	0	0	0	0
Durham and N'thland	14	0	14	6	0	6	43	0	43
Elgin	7	0	7	3	0	3	43	0	43
Essex	5	0	5	5	0	5	100	0	100
Frontenac	3	0	3	2	0	2	67	0	67
Glengarry	16	0	16	12	0	12	75	0	75
Grenville	6	1	7	2	0	2	33	0	29
Grey	7	0	7	3	0	3	43	0	43
Haldimand	5	2	7	4	0	4	80	0	57
Halton	11	0	11	7	0	7	64	0	64
Hastings	7	0	7	5	0	5	71	0	71
Huron	8	0	8	2	0	2	25	0	25
Kent	7	0	7	5	0	5	71	0	71
Lambton	6	2	8	4	1	5	67	50	63
Lanark	8	0	8	1	0	1	13	0	13
Leeds	3	0	3	2	0	2	67	0	67
Lennox and Addington	7	0	7	3	0	3	43	0	43
Lincoln	4	0	4	2	0	2	50	0	50
Middlesex	5	3	8	3	1	4	60	33	50
Norfolk	5	0	5	3	0	3	60	0	60
Ontario	9	1	10	5	1	6	56	100	60
Oxford	3	0	3	3	0	3	100	0	100
Peel	7	0	7	5	0	5	71	0	71
Perth	5	0	5	3	0	3	60	0	60
Peterborough	5	0	5	4	0	4	80	0	80
Prince Edward	2	0	2	0	0	0	0	0	0
Prescott	10	0	10	4	0	4	40	0	40
Renfrew	17	1	18	7	0	7	41	0	39
Russell	8	0	8	2	0	2	25	0	25
Simcoe	10	1	11	8	1	9	80	100	82
Stormont	7	0	7	5	0	5	71	0	71
Victoria	4	0	4	2	0	2	50	0	50
Waterloo	4	0	4	4	0	4	100	0	100
Welland	8	0	8	6	0	6	75	0	75
Wellington	7	0	7	3	0	3	43	0	43
Wentworth	8	0	8	6	0	6	75	0	75
York	52	0	52	32	0	32	62	0	62
Total	320	24	344	186	4	190	58.0	16.7	55.2

*Within five years of death.

TABLE XVIII

HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH

In Persons Dying of Tuberculosis (Pulmonary only) Ontario, 1938

Districts Exclusive of Cities and Towns of 5,000 and over.

DISTRICT	Pulmonary Tuberlosis Deaths			Sanatorium Treatment*			Per Cent. Treated in Sanatorium		
	Whites	Indians	Total	Whites	Indians	Total	Whites	Indians	Total
Algoma	4	10	14	1	0	1	25	0	7
Cochrane	17	10	27	10	0	10	59	0	37
Haliburton	1	0	1	1	...	1	100	....	100
Kenora	5	20	25	5	0	5	100	0	20
Manitoulin	2	11	13	1	0	1	50	0	8
Muskoka	4	0	4	4	....	4	100	....	100
Nipissing	11	2	13	10	0	10	91	0	83
Parry Sound	1	3	4	1	0	1	100	0	25
Rainy River	5	4	9	4	1	5	80	25	56
Sudbury	17	5	22	9	0	9	53	0	41
Temiskaming	8	0	8	8	....	8	100	....	100
Thunder Bay	5	12	17	5	3	8	100	25	47
Total	80	77	157	59	4	63	73.7	5.2	40.1

*Within five years of death.

TABLE XIX

HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH

In Persons Dying of Tuberculosis, Ontario, 1938

Cities and Towns, 5,000 Population and Over

CITIES AND TOWNS	Tuberculosis Deaths		Sanatorium Treatment*		Per cent. Treated in Sanatorium	
	All Forms	Pulmonary	All Forms	Pulmonary	All Forms	Pulmonary
Barrie	2	2	1	1	50	50
Belleville	5	4	2	2	40	50
Brampton	0	0	...	...	....	....
Brantford	10	9	8	8	80	89
Brockville	2	2	1	1	50	50
Chatham	5	5	3	3	60	60
Cobourg	1	1	1	1	100	100
Collingwood	2	2	2	2	100	100
Cornwall	16	13	6	6	38	46
Eastview	3	2	1	1	33	50
Forest Hill	0	0	....	...	....	....
Fort Erie	1	0	...	...	....	....
Fort Frances	2	2	0	0	....	....
Fort William	10	8	8	8	80	100
Galt	5	5	5	5	100	100
Guelph	4	4	2	2	50	50
Hamilton	56	56	47	47	84	84
Hawkesbury	10	7	1	1	10	14
Ingersoll	2	2	2	2	100	100
Kenora	4	3	3	3	75	100
Kingston	11	7	4	4	36	57
Kirkland Lake	6	6	4	4	67	67
Kitchener	8	7	4	4	50	57
Leamington	2	2	1	1	50	50
Lindsay	7	6	3	2	43	33
London	24	20	17	16	71	80
Midland	1	1	1	1	100	100
Mimico	1	1	1	1	100	100
New Toronto	1	1	1	1	100	100
Niagara Falls	4	3	3	3	75	100
North Bay	3	1	2	1	67	100
Orillia	1	1	1	1	100	100
Oshawa	6	4	4	4	67	100
Ottawa	73	66	45	44	62	67
Owen Sound	6	6	5	5	83	83
Pembroke	8	7	6	6	75	86
Peterborough	3	3	3	3	100	100
Port Arthur	5	4	2	2	40	50
Port Colborne	3	2	2	2	67	100
Preston	3	2	2	2	67	100
Renfrew	2	1	2	1	100	100
St. Catharines	4	3	3	3	75	100
St. Thomas	4	3	2	2	50	67
Sarnia	9	8	5	4	56	50
Sault Ste. Marie	13	11	6	6	46	55
Simcoe	2	1	1	1	50	100
Smith's Falls	6	6	2	2	33	33
Stratford	4	3	4	3	100	100
Sudbury	12	12	10	10	83	83
Swansea	0	0	...	...	....	....
Timmins	14	11	10	9	71	82
Toronto	234	212	155	151	66	70
Trenton	1	0	0		0	...
Waterloo	1	1	0	0	0	0
Welland	3	2	2	1	67	50
Weston	0	0	....	...	....	....
Whitby	2	2	2	2	100	100
Windsor	26	24	19	18	73	75
Woodstock	2	2	1	1	50	50
Total	655	579	428	414	65.3	71.1

*Within five years of death.

TABLE XX

DEATH RATE PER 100,000 POPULATION FROM ALL TYPES OF TUBERCULOSIS AND SANATORIUM BEDS PER DEATH IN THE PROVINCE OF ONTARIO

YEAR	Death Rate per 100,000	Total Number of Deaths	Number of Sanatorium Beds	Number of Beds per Death
1935	36.2	1,303	3,040	2.33
1936	35.9	1,327	3,122	2.35
1937	35.4	1,315	3,145	2.39
1938	33.1	1,237	3,367	2.72
1939	(not available)	(not available)	3,595	(not available)

TABLE XXI

* BED COMPLEMENT

(Adults and Children)

At September 30th

LOCATION OF SANATORIA	1935	1936	1937	1938	*1939
Brantford	100	102	110	102	102
Cornwall	....	....	....	108	112
Fort William	101	101	104	101	187
Gravenhurst	440	440	440	435	440
Haileybury	115	115	115	115	106
Hamilton	600	600	600	600	702
Kingston	....	35	35	46	47
Kitchener	125	125	140	148	148
London	562	600	604	604	611
Ottawa	210	210	210	210	210
St. Catharines	84	84	85	85	86
Weston	561	568	572	683	676
Windsor	142	142	130	130	168
Total	3,040	3,122	3,145	3,367	3,595

*Bed complement represents permanent units of bed-service provided for in-patients. In 1939 there were also 80 "contingency" beds pressed into service when needed, which are not included above.

TABLE XXII

AVERAGE DAILY NUMBER OF PATIENTS

(Adults, Children and Newborn)

IN RESIDENCE DURING THE YEARS ENDING SEPTEMBER 30th

LOCATION OF SANATORIA	1935	1936	1937	1938	1939
Brantford	87	72	74	85	79
Cornwall	....	....	....	79	110
Fort William	27	96	101	107	146
Gravenhurst	433	428	428	424	425
Haileybury	103	102	95	103	99
Hamilton	608	590	594	608	679
Kingston	....	8	34	40	46
Kitchener	123	118	133	133	145
London	495	516	497	518	538
Ottawa	192	194	193	191	195
St. Catharines	81	80	79	81	83
Weston	532	529	504	541	626
Windsor	137	126	120	124	144
Total	2,818	2,859	2,852	3,034	3,315

TABLE XXIII

NUMBER OF PATIENTS TREATED

(Adults, Children and Newborn)

DURING THE HOSPITAL YEARS ENDING SEPTEMBER 30th

LOCATION OF SANATORIA	1935	1936	1937	1938	1939
Brantford	160	162	139	177	183
Cornwall	....	....	....	173	188
Fort William	120	209	232	233	291
Gravenhurst	839	800	804	819	833
Haileybury	210	197	215	217	220
Hamilton	1,013	1,040	1,090	1,200	1,199
Kingston	....	45	96	90	88
Kitchener	220	230	253	259	282
London	1,129	1,159	1,193	1,061	1,117
Ottawa	406	364	353	343	363
St. Catharines	179	187	175	173	178
Weston	922	906	884	995	1,059
Windsor	234	254	225	232	272
Total	5,432	5,553	5,659	5,972	6,273

TABLE XXIV

COLLECTIVE DAYS' STAY OF ALL PATIENTS DURING THE YEARS ENDING SEPTEMBER 30th

LOCATION OF SANATORIA	1935	1936	1937	1938	1939
Brantford	31,804	26,510	26,937	31,026	28,791
Cornwall	....	....	....	28,735	40,056
Fort William	9,867	35,152	37,007	39,026	53,397
Gravenhurst	158,083	156,568	156,092	154,786	155,208
Haileybury	37,660	37,498	34,542	37,429	36,228
Hamilton	221,780	215,863	216,903	221,804	247,925
Kingston	....	2,818	12,486	14,422	16,924
Kitchener	44,986	43,354	48,636	48,477	52,868
London	180,799	188,731	181,556	188,914	196,394
Ottawa	70,063	70,938	70,340	69,630	71,044
St. Catharines	29,534	29,225	28,853	29,698	30,402
Weston	194,135	193,707	183,846	197,993	228,299
Windsor	49,874	46,111	43,880	45,352	52,724
Total	1,028,585	1,046,475	1,041,078	1,107,292	1,210,260

REPORT OF MEDICAL INSPECTION OF SANATORIA

As explained in the last Annual Report, commencing in July, 1938, a system of regular visits to each sanatorium by a physician from the Division of Tuberculosis Prevention was placed in operation. Early in the Spring of 1939, a complete survey had been made of all sanatoria, resulting in the collection of considerable data regarding the operation of services within the various sanatoria as well as concerning the individual patients under treatment at the time of the visits.

The following tables show certain information which was compiled from the cards prepared for each patient:

	Male	Female	Total	% of Number Reviewed for Each Sub-Group
1. Total No. of patients reviewed	1752	1477	3229	100%
2. Age Groups:				
0– 9 years	67	59	126	3.9%
10–19 years	117	232	349	10.8%
20–29 years	468	627	1095	33.9%
30–39 years	438	342	780	24.2%
40–49 years	328	113	441	13.7%
50 years and over	334	104	438	13.6%
3. Marital Status:				
Single	902	861	1763	54.6%
Married	742	537	1279	39.6%
Widowed	74	49	123	3.8%
Separated	34	30	64	2.0%
4. Admissions to the Sanatorium Visited:				
1st Admission	1280	1088	2368	84.5%
2nd Admission	188	148	336	12.0%
3rd or more Admissions	70	30	100	3.6%
5. Duration of Residence in Sanatorium Since Last Admission:				
Less than 1 year	960	814	1774	54.9%
1 to 2 years	375	341	716	22.2%
2 to 3 years	180	141	321	9.9%
3 years or more	237	181	418	12.9%

	Male	Female	Total	% of Number Reviewed for Each Sub-Group
6. Occupations:				
Labourers	690	3	693	24.7%
Artisans, Factory, Tradesmen, etc.	358	106	464	16.5%
Domestics, Waiters, Food Handlers	35	147	182	6.5%
Clerical, Office, Store, etc.	204	130	334	11.9%
Students, Public, High, College, etc.	115	170	285	10.2%
Pre-School Children	50	36	86	3.1%
Nurses, Orderlies, Hospital Employees	25	84	109	3.9%
Housewives	0	488	488	17.4%
Others or none given	73	100	173	6.2%
7. Diagnoses Causing Admission:				
"Presumptive evidence" or "Observation"	23	14	37	0.8%
Childhood Tuberculosis (all types)	50	43	93	2.9%
Tuberculous Pleurisy with Effusion	31	27	58	1.8%
Minimal Pulmonary Tuberculosis	109	174	283	8.8%
Moderately Adv. Pulmonary Tuberculosis	395	456	851	26.4%
Advanced Pulmonary Tuberculosis	1052	703	1755	54.4%
Non-Pulmonary Tuberculosis	90	62	152	4.7%
8. Non-Tuberculous Associated Conditions:				
Non-Tuberculous Pulmonary Disease	56	9	65	2.0%
Diabetes	25	11	36	1.1%
Syphilis	34	24	58	1.8%
Silicosis	48	0	48	1.5%
Others	158	122	280	8.7%
9. Condition at time of Visit:				
Tuberculosis, Unstable	1419	1241	2660	82.4%
Tuberculosis, quiescent	235	199	434	13.4%
Tuberculosis, apparently arrested	5	9	14	0.4%
Sputum Positive for Tuberculous Bacilli	852	529	1381	42.8%
No. of Tuberculous Complications	278	221	499	....
10. Treatments Applied (some patients have had more than one):				
Pneumothorax attempted unsuccessfully	245	218	463	14.3%
Pneumothorax abandoned or discontinued	225	156	381	11.8%
Pneumothorax (unilateral)	415	490	905	28.0%
Pneumothorax (bilateral)	60	73	133	4.1%
Intrapleural Pneumolysis	92	117	209	6.4%
Phrenic nerve crushing	235	219	454	14.1%
Phrenic nerve evulsion	32	38	70	2.2%
Pneumoperitoneum	22	20	42	1.3%
Extrapleural pneumo-(lysis and thorax)	28	29	57	1.8%
Thoracoplasty	102	83	185	5.7%
Chest Surgical Index (Number of Chest Surgical Procedures divided by number of Tuberculous patients minus those with Childhood type or Non-Pulmonary type).	0.92	1.1	0.98	.....
Immobilization of Joints	....	....	145	4.5%
Operative fixation	....	....	56	1.7%
11. "Maximum Benefit, Positive Sputum"	60	11	71	2.2%
12. Ratio of Staff to Patients:				
No. of Patients to 1 Physician (including medical Superintendent)			55	....
No. of Patients to 1 Graduate Nurse			8.5	
No. of Patients to 1 Nurse other than graduate			28	
No. of Patients to 1 Nurse (graduate or otherwise)			6.5	....
No. of Patients to 1 Ward Helper (female)			31	....
No. of Patients to 1 Ward Helper (male)			18	....
No. of Patients to 1 Ward Helper (both sexes)			12	....
No. of Patients to 1 Clerical employee (stenographers, clerks)			50	....
No. of Patients to 1 All-other staff (maintenance, farm help)			4.0	....
No. of Patients to 1 Total Staff (all employees)			1.9	....

From these tables we can make the following observations:

(a) Approximately 58% of the patients in sanatoria during the survey were between the ages of 20 and 40 years.

(b) Approximately 15% of the patients in sanatoria during this survey had been admitted to that sanatorium on at least one previous occasion.

(c) Approximately 13% of the patients in sanatoria during this survey had already been in sanatorium for three or more years.

(d) At least 80% of the patients considered were admitted to sanatorium with moderately or far advanced pulmonary tuberculosis. Non-pulmonary tuberculosis only, accounted for 4.7%.

(e) Artificial pneumothorax treatments had been or were being applied successfully or unsuccessfully upon approximately 58% of the patients who were in sanatoria at the time of this survey.

The above tables represent only a portion of the total information collected, and the data is available as it pertains to each of the thirteen separate sanatoria.

A comparison of certain features among the various sanatoria showed marked and significant variations. The following remarks will give some indication of this variation.

(a) At two sanatoria approximately 15% of the patients in residence were under 10 years of age whereas the next highest incidence of that age group was 6% at one sanatorium and the average for all sanatoria was approximately 4%.

(b) At 3 sanatoria there were 6%, 8% and 10% respectively of the patients in residence with a diagnosis of "childhood tuberculosis" whereas the average for all sanatoria was only 3%.

(c) At two sanatoria the "Chest Surgical Index" was .29 and .32 respectively whereas the average for all sanatoria was .98.

(d) At four sanatoria only approximately 22% of the patients in residence were receiving artificial pneumothorax treatments at the time of the visit whereas in the remaining nine sanatoria 36% of the patients were receiving such treatments.

(e) The average number of patients to one physician was 55, but at four sanatoria there were more than 70 patients to each physician. The average number of patients to each nurse (graduate and non-graduate) was 6.5, but at two sanatoria, there were more than ten patients to each nurse.

(f) Although the medical records at the majority of the sanatoria were neat, orderly and sufficiently comprehensive, such records at several sanatoria were either poorly written in long hand or lacked many essential features.

Regular visits to each of the sanatoria are being continued by a clinician from this Division. At each visit, a review is made of the records and a card completed for each patient in residence at the time of the visit and also for those patients admitted and discharged in the interval between the visits. In this manner, a representative from this Division reviews the records (X-ray films, other findings, treatments given, etc.) of every patient who enters any Ontario sanatorium.

In certain cases, this Division is causing Provincial Aid to be deducted where the inspector finds that a patient remained in sanatorium too long. Such cases have almost entirely been examples of non-tuberculous disease where in the opinion of this Division more prompt investigation and earlier discharge should have been effected.

REPORT UPON AFTER-CARE OF PATIENTS DISCHARGED FROM SANATORIA

This Division is responsible to arrange for, provide, and directly supervise the after-care of those patients who were admitted to sanatoria without municipal residence or from Unorganized Territory. The following table shows the number of ex-patients of sanatoria in the above categories for whom the Division was supplying after-care throughout the past year.

Ex-Patients of Sanatoria without Municipal Residence or from Unorganized Territory	Receiving Board and Lodging	Receiving Assistance at Home of Relative	Receiving Pneumothorax Refill Treatments
1. No. on after-care as of Dec. 31, '38..........	10	3	26
2. No. placed on after-care from Jan. 1, '39 to Dec. 31, '39..........	30	32	14
3. Total number receiving after-care during the year..........	40	35	40
4. No. discontinuing after-care measures from Jan. 1, '39, to Dec. 31, '39:			
Returned to Sanatorium for treatment..........	4	2	7
Measures no longer required..........	8	8	3
Obliterative pleuritis..........	....	....	1
Against Medical Advice..........	....	....	3
5. No. on after-care as of Dec. 31, '39..........	28	25	26

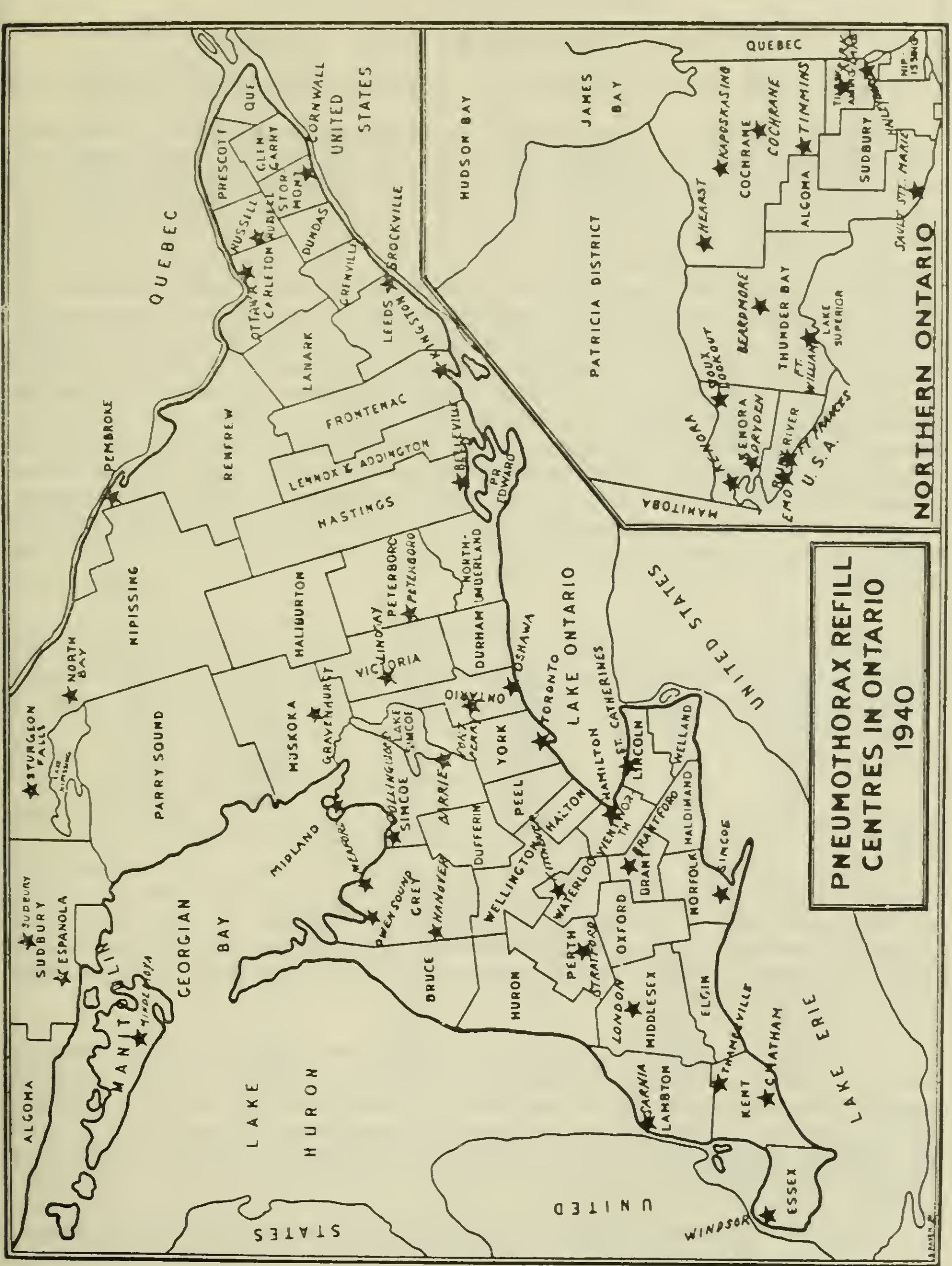
A problem has arisen with regard to those ex-patients of sanatoria who are found by re-examination to require no further after-care (i.e., they could undertake work not unduly strenuous) but for whom no such work can be obtained. Obviously such persons should be eligible for the ordinary welfare assistance. However, the establishment of responsibility for such "relief" is based upon residence differing entirely from the definition of residence under the *Sanatoria for Consumptives Act*. Many of our ex-patients of sanatoria who had established no municipal residence under the *Sanatoria for Consumptives Act* at the time of admission to sanatoria have been transients for many years. This fact renders the fixing of responsibility for relief a difficult if not impossible task. The Department of Welfare is co-operating in every way to assist this Division in this problem.

This Division is also responsible to administer the *Sanatoria for Consumptives Act* in which the responsibility for after-care is placed upon the municipalities where the patient had established residence in an organized municipality at the time of admission. During the past year, a relatively small but definite number of cases have required investigation to determine the adequacy of the after-care being supplied to those ex-patients by the municipalities concerned. The advisability and necessity for adequate after-care was pointed out to these municipalities and in practically all cases a satisfactory adjustment was made. This work by the central office entails a very considerable amount of time-consuming investigation and correspondence.

Although each municipality is required to pay the approved physician, clinic, or hospital, for pneumothorax treatments upon their indigent patients requring treatments following discharge, the Provincial Department of Health, through this Division, reimburses the municipalities for whatever amounts they pay for the pneumothorax refills up to $3.00 per refill.

The following figures will give some indication of the extent to which use is made of pneumothorax treatments upon ex-sanatorium patients at the various treatment centres. The existence of such treatment centres and the provision for these treatments throughout the Province makes possible the discharge of many patients who would otherwise remain in sanatorium.

Period	No. of Individuals Receiving Refills	No. of refill Treatments Given	Payment made for these Treatments
Jan. 1, '39–Dec. 31, '39.	735	11,080	$31,556.15


PNEUMOTHORAX REFILL CENTRES IN ONTARIO 1940

NORTHERN ONTARIO
QUEBEC
UNITED STATES
LAKE ONTARIO
LAKE ERIE
LAKE HURON
GEORGIAN BAY
HUDSON BAY
JAMES BAY
PATRICIA DISTRICT
MANITOBA
U.S.A.
LAKE SUPERIOR
ALGOMA
SUDBURY
NIPISSING
PARRY SOUND
MUSKOKA
HALIBURTON
RENFREW
HASTINGS
LENNOX & ADDINGTON
FRONTENAC
LANARK
LEEDS
GRENVILLE
DUNDAS
STORMONT
GLENGARRY
PRESCOTT
RUSSELL
CARLETON
VICTORIA
PETERBORO
NORTHUMBERLAND
DURHAM
ONTARIO
YORK
PEEL
HALTON
SIMCOE
DUFFERIN
GREY
BRUCE
HURON
PERTH
WELLINGTON
WATERLOO
WENTWORTH
LINCOLN
WELLAND
HALDIMAND
NORFOLK
BRANT
OXFORD
MIDDLESEX
ELGIN
LAMBTON
KENT
ESSEX
PR. EDWARD
COCHRANE
THUNDER BAY
KENORA
RAINY RIVER
TIMISKAMING
PEMBROKE
CORNWALL
BROCKVILLE
KINGSTON
BELLEVILLE
OTTAWA
NORTH BAY
STURGEON FALLS
SUDBURY
ESPANOLA
MANITOULIN
MINDEMOYA
GRAVENHURST
LINDSAY
PETERBORO
OSHAWA
TORONTO
PORT PERRY
BARRIE
COLLINGWOOD
MEAFORD
MIDLAND
OWEN SOUND
HANOVER
WATERLOO
GUELPH
STRATFORD
BRANTFORD
HAMILTON
ST. CATHERINES
SIMCOE
LONDON
TILLSONBURG
TILLSONVILLE
CHATHAM
SARNIA
WINDSOR
HEARST
KAPUSKASING
COCHRANE
TIMMINS
KIRKLAND LAKE
SAULT STE. MARIE
BEARDMORE
SIOUX LOOKOUT
FT. WILLIAM
KENORA
DRYDEN
EMO
FT. FRANCES
NIPISSING

DIVISION OF MATERNAL AND CHILD HYGIENE AND PUBLIC HEALTH NURSING

John T. Phair, M.B., D.P.H., Director

Official concern in what appeared to be unnecessary deaths among pregnant women began some twenty years ago in Ontario, with the formation of the Division of Maternal and Child Hygiene. This concern was justified by the fact that for years Ontario had a maternal death rate substantially greater than that existing in most of the less favoured countries. It was undoubtedly presumed by those making the comparisons so unfavourable to Canada that the standards used in compiling such data were uniform. Inferences based on the limited amount of factual information available and the lack of opportunity for research were, as might be expected in the light of present day knowledge, only true in part. Much of the effort of those responsible for the introduction of corrective measures was directed at public education, in order to correct the fixed conception that pregnancy was a physiological process and as such should be medically and surgically ignored until disaster presented. That failure on the part of the public to appreciate the significance of pregnancy and labour was not the only major contribution to the high mortality rate among pregnant women, is best illustrated by the figures given in Table I, for despite the best efforts of the Department and other agencies, there is little in the way of improvement from 1924 to 1937 inclusive.

TABLE I

Year	Rate	Year	Rate	Year	Rate
1924	5.8	1929	5.4	1934	5.6
1925	5.5	1930	6.2	1935	5.0
1926	5.6	1931	5.4	1936	5.7
1927	6.0	1932	5.1	1937	5.2
1928	5.8	1933	5.4	1938	3.8

The presentation and general acceptance of the Report of the New York Academy of Medicine had a heartening effect on those who were convinced of the significance of factors other than public apathy or ignorance. This report, supported as it has been by other comparable studies, has already done much to re-direct official and professional effort in the task of death reduction among expectant mothers.

It is now generally accepted that there are two major factors in a favourable outcome for pregnancy, namely, the physical condition of the individual patient from conception to the conclusion of labour, and the skill and judgment of the physician. The satisfactory control of these alone can permanently iron-out the statistical fluctuations of maternal mortality curves and bring them to a more desirable level.

The low figure for 1938 is extraordinarily gratifying to all concerned. It is, however, as yet not wholly explained and while most encouraging, cannot be considered as evidence of our satisfactory solution of this problem.

The distribution of the deaths by cause is listed below as well as a comparison of the year 1938 with the previous five years.

TABLE II

Cause of Death	1933 to 1937		1938	
	%	Rate	%	Rate
Abortion with sepsis	11.8	0.64	10.4	0.40
Abortion without sepsis	3.5	0.19	3.6	0.14
Ectopic gestation	3.7	0.20	4.4	0.17
Puerperal haemorrhage	11.4	0.61	8.8	0.34
Puerperal septiciemia	20.7	1.10	19.9	0.76
Puerperal albuminuria and eclampsia	18.9	1.01	17.9	0.69
Other toxaemias of pregnancy	5.3	0.28	3.6	0.14
Puerperal embolism, sudden death	10.7	0.57	16.3	0.63
Other accidents of childbirth	11.6	0.62	13.9	0.53
Other conditions	2.5	0.13	1.2	0.05

A study of the above Table shows an improvement over almost the entire list of causes of death. Analyses of these data show a reduction in all causes except embolism; abortions were decreased by 35%, haemorrhage by 44%, sepsis (excluding abortion) by 31% and toxaemia by 36%. These facts suggest that there is a more conscientious appreciation on the part of the patient herself as well as those attending her, of the importance of early and constant supervision during the period of pregnancy. Furthermore, the decline in those deaths attributed to septiciemia has undoubtedly been influenced by the newer chemo-therapy and in this group there is every reason to expect a further decline with the more general use of these preparations.

Infant Hygiene.

Again applying the only available index of progression, namely the death rate, per 1000 living births, it would appear that the consistent downward trend in deaths among infants which has been maintained in Ontario during the last ten years is to continue. The figure of 50 per 1000 living births, which a generation ago was considered as an approach to the irreducible minimum has been passed and a new objective must be set. (The rate for 1938 is estimated at 49.6 per 1000 living births).

The following Table shows the Infant Death rates for the last fifteen years.

TABLE III

Year	Rate	Year	Rate	Year	Rate
1924	75.8	1929	76.0	1934	56.6
1925	78.9	1930	73.7	1935	55.7
1926	78.4	1931	71.0	1936	54.4
1927	71.1	1932	61.0	1937	54.8
1928	71.2	1933	59.6	1938	49.6

Pneumonia, diarrhoea and enteritis rank third and fourth respectively as causes and these two groups of preventable causes made up 20% of the total deaths under one year of age for 1938. The leading causes of death take on new significance as the emphasis shifts from infection, diarrhoea and enteritis and respiratory diseases to prematurity and birth injury, et cetera. The problem of conserving infant lives has now become a problem of ensuring the delivery of a healthy, full-time foetus. The hazards of the post-natal period are now less than those associated with intra-uterine stay and the dangers of delivery.

The following Table shows the chief causes of infant deaths in five year periods since 1920. This is given in terms of percentages of the total deaths in that age group.

TABLE IV

CAUSE	1920	1925	1930	1935	1938
Contagion	10.0	8.9	7.0	8.3	5.6
Respiratory diseases	12.4	11.6	11.3	11.6	11.4
Diarrhoea and enteritis	18.0	13.9	16.3	7.9	9.7
Malformations	6.6	10.2	8.6	11.8	13.8
Prematurity	......	26.4	27.7	31.0	33.0
Birth injury	......	4.9	5.6	8.4	8.8
Congenital debility and other diseases peculiar to infancy	43.9	12.7	12.2	11.7	10.0

Preschool and School Hygiene.

Apparently the realization that a constructive health programme should include the care of the preschool child is gaining ground as more municipalities with organized health services are making provision for service directly designed to meet health needs of this age group. The Division gave assistance in this particular phase of the local programmes in five municipalities last year.

For the fifth year the Division assumed on behalf of the Department of Education the direction of the medical examination of applicants to the various teacher-training schools of the Province. The physicians' findings in these examinations would indicate that this service is justified, not only in the interest of the Department but to the students themselves, in that it discovers both major and minor defects and disabilities, many of which are readily corrected by appropriate treatment. It also favourably influences these potential teachers in their reaction to the health of the children with whom they will ultimately come in contact.

The Summer Course in Health Education for teachers was again carried on with the Director of the Division acting as Principal. This co-operative effort, which for seven years has been sponsored jointly by the Departments of Health and Education has been viewed with sufficient favour to justify the Metropolitan Life Insurance Company issuing a booklet outlining the purpose and content of the course. This booklet has already been distributed to all organizations interested in any phase of teacher-training in Canada and the United States and there are already signs of comparable courses being established in other provinces and states.

PUBLIC HEALTH NURSING

EDNA L. MOORE, Reg. N., Chief Public Health Nurse.

May first with the return of Miss B. E. Johnson to duty the Public Health nursing personnel of the Department numbered sixteen. Working from Head Office were a Chief Public Health Nurse and four supervisors. In the Eastern Ontario Health Unit one supervisor and eight staff nurses carried on the Public Health Nursing programme. In the District of Temiskaming, one Public Health nurse served an extensive area, which includes considerable unorganized territory. Protection of child life and health through immunization, the control of communicable diseases and health education is the major phase of the work. Miss Laura Vrooman continued her association with the Department programme of School Health Education.

The supervisors, through the fine relationships that they have developed with the nurses and health officials and because of the rich experience they bring to their work, have made a notable contribution to the improved quality of the Public Health nursing services in the province.

The supervisory staff made visits to ninety-three centres where Public Health nursing service is carried on. In eleven communities where changes in personnel occurred visits of varying length were made as soon as possible. It would be difficult to overemphasize this phase of the supervisory programme. Its purpose is to maintain continuity of service to the community by assisting the nurse in adjusting to the new situation and, through the study of community health needs, to help the local authorities in the development of a suitable programme.

In addition to their supervisory duties, these staff members have given the following special services during the year: demonstrations of procedures in school nursing to students at the Public Health Institute, University of Western Ontario and the School of Nursing, Toronto University; assistance with an epidemiological survey of Poliomyelitis in Windsor; preparation of records for tuberculosis nursing work in Cornwall; participation in conferences and presentation of papers at Refresher Courses; assistance at the Health Education course during the Summer School session.

All members of the central office nursing staff as well as the supervisor and a staff nurse of the Eastern Ontario Health Unit and the nurse in Temiskaming District took part in the programme for the examination of students seeking admission to the Normal Schools of the province, the College of Education, Toronto, and the Teacher Training College, Hamilton.

Field observation with limited experience for a period of one month was arranged for twenty graduate and two under-graduate students of the School of Nursing, University of Toronto. The co-operation of local Health and School Boards, Medical Officers of Health and Public Health Nurses makes possible this valuable contribution to nursing education.

During 1939 in Kingston, Sudbury and Owen Sound, the Public Health nursing services have been extended to include tuberculosis control and prevention. In the Town of Dundas the Board of Health enlarged the former school nursing service to include all phases of Public Health nursing with the co-operation of the local Branch of the Victorian Order in prenatal supervision.

The generalized nursing service was re-established in Bowmanville, while in Teck Township (Kirkland Lake) a Supervisor of Nursing has been appointed and the staff increased to four nurses. In Cornwall the Board of Health appointed a second nurse for school health service on a ten-month year basis. Both of the nurses were further engaged for two weeks during August to make a beginning on the tuberculosis follow-up work.

In Norfolk County the Christmas Seal Sale Committee engaged a public health nurse for three weeks to visit, in their homes, tuberculous patients and contacts and to study and report upon conditions with respect to the needs of the county. The County Medical Society co-operated with the committee and with the clinic physicians gave direction to the work.

The Board of Directors of Freeport Sanatorium appointed a public health nurse to develop a programme of tuberculosis nursing supervision in Waterloo County.

Record Forms for tuberculosis nursing supervision have been prepared and added to the approved list.

Numerous inquiries have come to the Division regarding the develpoment of local health services. In each case the situation was studied and suggestions offered.

Requests for qualified personnel to relieve sick members of staff were met in several instances while assistance was given in fifteen of the eighteen appointments made throughout the province during the year.

A travel grant from the International Health Division, Rockefeller Foundation, enabled the Chief Public Health Nurse to spend April 19 to May 4 observing health work in various well-chosen centres in the United States. Such an opportunity is stimulating as well as instructive.

Notes on the material presented at the Referesher Course on Child Hygiene at the School of Nursing, University of Toronto, were prepared and sent to the public health nurses of the province in March.

With the outbreak of war the probable effect upon public health nursing service was considered and a decision reached that nutrition and mental health should receive special emphasis because of their fundamental importance in the national life. In the Autumn letter of the public health nurses of the province prominence was given to these subjects.

Visitors to the Division during the year came from Sweden, Great Britain, Panama, the United States, India, New Zealand and Nova Scotia.

As in previous years the Honorary Consultant in Public Health Nursing, Miss Elizabeth L. Smellie, C.B.E., gave generously of her time in the discussion of our interests.

Close relationships have existed between our staff members and those of the Women's Institute Branch, Department of Agriculture, and the Department of Public Welfare.

Problems of importance that will receive special attention in the coming year are: methods in the development of local and district health committees and the selection, training and use of volunteer workers in the public health nursing field.

DIVISION OF SANITARY ENGINEERING

A. E. BERRY, M.A.Sc., C.E., Ph.D., Director

In the year 1939 the outbreak of war and the uncertainties which preceded it for a number of months had a disconcerting effect on sanitary works programmes. Municipalities hesitated to embark on major expenditures for water works or sewerage, although in the previous year a noticeable upward swing in this direction had begun. Much progress was made in the milk control programme for the province, and pasteurization was extended to additional areas. The weather and rainfall during the summer were not abnormal, and hence no unusual problems were created in stream control. Requests for technical assistance in the solution of sanitary problems continued as usual, these coming from Health Officers, municipal officials and citizens adversely affected by these conditions.

Water Works Programmes.

Expenditures approved during the year for water works programmes amounted to $1,466,181.74, in comparison with a total of $583,220.23 for the year 1938. For the second year in succession there has been an increase in approvals for water works. Had conditions been more normal an even greater advance might have been expected.

Some of the more important projects in water works during the year are of interest as an indication of the further extension of these facilities to urban centres, and likewise to show advances in methods.

The water works plant for the City of Toronto at Victoria Park has been under construction during the year and should be ready for operation at an early date.

At West Lorne a new water works system was put into service. The supply is taken from the lake about four miles distant, is filtered and chlorinated in a modern plant. It is a good example of what can be accomplished by a small municipality.

At Burlington a new intake pipe was constructed, the previous one having been broken at different times.

The City of Kingston secured an engineering report on a water filtration plant, to take water from a new location in the lake. The outbreak of war has delayed action on this.

Further progress was made in the mining areas of the northern parts of the province, including Geraldton, Larder Lake, and other areas. At McKim Township a water works distribution system was built with water being secured from the City of Sudbury.

Substantial extensions of water mains were made in a number of municipalities throughout the province.

Water Chlorination.

Water chlorination has continued to provide a necessary and effective measure for safety. Over 200 supplies are regularly treated with this chemical. In nearly all the larger plants liquid chlorine is now in use. For the smaller supplies there has been an increase in recent years in the use of hypochlorite solutions, fed by specially designed equipment. Few formerly untreated waters have recently been added to this list, and new installations accordingly have been chiefly for replacements or for duplication.

Since water chlorination to be effective must be applied continuously and properly, careful supervision is necessary. Periodic inspections of these treatment plants have been continued during the year by engineers of the Division. Changing of operators, and replacement by untrained employees intensifies the problem of securing proper supervision.

Sewerage Programmes.

The extent of sewerage programmes in the province during the year can be seen by the expenditures approved by the Department. For 1939 this figure was $1,316,381.29 as compared with a total of $1,083,331.57 for the previous year. The year started out with a promising outlook but world affairs left an impression here as in other public enterprises. In spite of this a number of important projects were advanced; and an increase in expenditures occurred over the previous year.

Main Sewerage Projects.

Some of the more important sewerage programmes during the year have been directed towards the correction of long standing problems.

Important advances were made during the year leading to a solution of the sewage disposal situation in Toronto. On May 1st the City Council appointed an engineering Board of Review to examine and report upon the different measures advocated for the treatment of sewage for the city. This Board of five members consisted of G. H. Ferguson, Ottawa, S. A. Greeley, Chicago, C. W. Hubbell, Detroit, W. B. Redfern, Toronto, and A. E. Berry, Toronto. Two reports, one by Mr. Redfern, and one by the other four members, were submitted to Council in September. The minority report suggested sedimentation coupled with flocculation, and effluent filters, followed by chlorination. The majority report recommended activated sludge at a cost of $9,500,000, with the plant to be located at the lake front in the Ashbridge's Bay area. After much discussion the Council agreed to submit to the electorate a proposal embodying the first stage of a complete treatment plant. This was endorsed by the voters by a large majority.

At Kingston a proposal was considered for the construction of a sewage treatment plant comprising sedimentation, and trunk sewers.

In Westminster Township a trunk sewer was started, to serve a fast growing area near the City of London. This will carry sewage to the west side plant of the city.

A number of needed extensions were made to sewerage systems in the different municipalities.

Operation of Sewage Disposal Works.

The need for intelligent operation of sewage treatment plants has been emphasized repeatedly. Low water flows combined with hot weather create difficult problems during the summer. Regular examinations have been made of these by Engineers of the Department. As the number of plants increase and operating conditions are intensified it becomes increasingly apparent that trained operators can be of great value. Facilities for acquiring this training is essential, and the energetic operator can do much to improve his knowledge.

Stream Control.

Stream control has been related to both sewage disposal and water supplies. In this field two projects of some proportions have been of interest during the year. They are the Grand River Conservation Scheme and the Old Welland Canal waste treatment proposal.

The year has witnessed the start of construction of a water conservation dam on the Grand River, the first project of this nature to be initiated in the province. Since this river carries much sewage, discharged after varying degrees of treatment, the volume of water flow is important. By the storage of excess water during the wet seasons it is hoped to avoid the very low flows of dry, hot periods, and thereby reduce the cost of sewage disposal as well as minimizing unsanitary conditions. This measure will not be available for the summer of 1940.

The Welland Canal is a different stream control problem in that artificial adjustment of the flow of water in one section of the old canal calls for reduction of water to a point where additional treatment of the sewage and industrial wastes is unavoidable. Progress has been made in bringing this matter to a solution. The municipalities of Port Dalhousie, St. Catharines, Thorold and Merritton are involved, and joint action is essential. An engineering report was released by the Dominion Department of Transport reviewing the conditions and containing recommendations for correction. Further progress on this is anticipated for the immediate future.

Milk Control

Active steps have been taken during the year in the control of public milk supplies. Extension of compulsory pasteurization to additional areas has been made as indicated by the Orders-in-Council appended hereto. These areas, together with others which will be included early in 1940 will provide pasteurization to the entire province except those centres of very small population. Approximately 92% of all milk delivered or sold for human consumption in the province will then be pasteurized.

In addition to extending the scope of this legislation close supervision has been exercised over all pasteurizing plants. Improvements to the buildings and equipment in order to comply with provincial standards have gone forward and at the end of the year the major changes in nearly all dairies had been completed. Certificates of Approval, as required under the legislation were issued to 373 pasteurizing plants. Over 1800 inspections of plants were made by the Division during the year. At the close of the year 750 pasteurizing plants were in service.

Control of the milk supply has been aided greatly by laboratory examinations. This work has now been extended to include as a routine procedure such tests as plate counts, colon counts, phosphatase and butter fat tests. These checks along with periodic examinations of the plants have done much to bring about marked improvements in the products offered for sale to the public.

No provision has been made as yet regarding standard qualification of the operators of these processing plants, although consideration has been given to what additional precautions in this respect might be applied. The operator of a pasteurizing plant is still an important link in this chain of safety and must always be such in spite of the many advances made in equipment used in the dairy.

Appended will be found the list of areas brought under compulsory pasteurization during the year.

Recreational Sanitation.

Recreational areas continue to be important sanitary problems during the summer season. As in recent years, the supervision of motor tourist camps, refreshment services and tourist lodging houses have been attended to by local Boards of Health. The more extensive lakeland areas have been covered by engineers of the Division. This work was directed chiefly to the control of public and semi-public water supplies and sewerage systems, and to the milk supplies.

The number of fresh-air camps inviting public patronage has now reached a considerable figure. These include those privately operated, those conducted by service clubs, churches, Y. M. C. A., Y. W. C. A. and other groups. No uniform standard for these now exists, and there is confusion on the part of those who may wish to send their children to them. The locations of these cannot be known to the Department without some form of registration or licensing.

Complaints.

Requests for assistance in the solution of santiary problems continued during the year. These are received in greatest numbers during the summer. Many of these deal with the disposal of sewage and industrial wastes. Milk plants and canning factories have been major causes of complaint. Over 150 requests for assistance were received during the year in addition to routine investigations undertaken by the Division's personnel.

Attached is a list of the water works and sewerage certificates issued during the year, as well as the additional areas included for compulsory pasteurization.

CERTIFICATES ISSUED RE WATERMAIN EXTENSIONS, PURIFICATION, ETC., FOR THE YEAR 1939

MUNICIPALITY	No. of Certificates Issued	Watermain Extensions	Supply Purification	New Systems
Aylmer	1	$ 28,302 50	$	$
Burlington	2	42,000 00	41,633 00	
Chatham	2	1,380 00		
Cornwall	1	13,431 00		
Elmvale	1		221 00	
Etobicoke Township	1	180 00		
Fort Frances	1	7,900 00		
Fort William	5	8,884 05		
Geraldton	1			90,221 10
Grantham Township	1	1,100 00		
Hespeler	1	1,551 25		
Hamilton	7	38,218 00		
Kemptville	1			71,600 00
Kingston	2	19,890 40		457,000 00
Kitchener	3	7,064 00		
Larder Lake	1	21,030 00		
Leaside	3	32,228 00		
London Township	1	1,227 72		
McKim Township	1	39,040 00		
Monaghan Township N	1	2,450 00		
Nepean Township	1	3,750 00		
Orillia	1	753 00		
Orillia Township	1	4,848 41		
Ottawa	3	140,466 62		
Oxford Township East	1	1,425 20		
Penetang	1	2,500 00		
Perth	1	25,000 00		
Plantagenet	1	8,217 00		
Port Arthur	2	4,736 78		
Port Credit	2	4,143 70		
Port Perry	1	1,950 00		
Rochester	1	8,764 67		
Rockcliffe Pk	1	5,715 11		
Saltfleet Township	1	9,870 84		
Sarnia Township	1	2,905 00		
Scarborough Township	2	4,855 95		
Sudbury	3	61,504 08		
Teck Township	7	51,678 40	2,500 00	
Thorold Township	1	1,549 06		
Tillsonburg	1	5,825 50	19,398 54	
Timmins	2	62,721 40		
Tisdale Township	1	8,350 06		
Toronto	1	903 00		
Waterloo	1	378 00		
West Ferris Township	1	900 00		
Westminster Township	1	2,119 00		
Weston	1	23,000 00		
Whitby	1	6,719 00		
Wingham	1		12,000 00	
York Township	3	8,041 00		
York Township East	1	1,190 80		
York Township North	14	40,789 60		
Zurich	1	160 00		
Total	99	$ 771,608 10	$ 75,752 54	$ 618,821 10

CERTIFICATES ISSUED RE SEWERAGE FOR THE YEAR 1939

MUNICIPALITY	No. of Certificates	Sewer Extensions	Disposal	New
Barton Township	1	$ 6,966 00	$	$
Belle River	1	2,511 28		
Brantford	2	1,350 00		
Brockville	4	3,799 95		
Chatham	7	7,244 50		
Cornwall Township	3	9,675 00		
Etobicoke Township	2	37,680 00		
Fort William	1	13,689 00		
Frankford	1	22,711 18		
Guelph	1	5,007 80		
Hamilton	6	38,325 00		
Kingston	4	14,942 67		500,000 00
Kitchener	4	6,348 38	11,000 00	
Leaside	3	46,930 64		
London	1	811 62		
Malton	1			24,650 00
Monaghan Township N	1	3,902 81		
Morrisburg	1	1,524 74		
Ottawa	6	42,345 00		
Owen Sound	1	3,778 50		
Peterborough	2	2,089 75		
Petrolia	1	2,573 00		
Port Arthur	4	84,272 77		
Port Colborne	1	2,281 30		
Port Credit	1	13,265 00		
Port Elgin	1	1,125 00		
St. Catharines	3	21,814 00		
St. Thomas	2	37,669 12		
Sarnia	1	1,016 80		
Scarborough Township	3	11,475 90		
Simcoe	2	3,371 80		
Sudbury	4	69,249 80		
Swansea	2	13,800 00	12,800 00	
Teck Township	6	57,168 51		
Timmins	3	54,039 50		
Tisdale Township	1	5,496 87		
Toronto	2	1,790 00		
Waterloo	3	1,681 80		
Westminster Township	4	73,147 00		
Whitby	2	10,917 04		
Woodstock	1	460 00		
York Township	2	2,825 00	14,000 00	
York Township East	1	1,056 93		
York Township North	5	11,701 33		
Total	108	$ 753,931 29	$ 37,800 00	$ 524,650 00

SUMMARY

Re Waterworks:	Estimated Cost
Extensions to existing systems	$ 771,608 10
Purification of water supplies	75,752 54
New Systems	618,821 10
Total	$1,466,181 74
Re Sewerage:	
Extensions to existing systems	$ 753,931 29
Treatment Works	37,800 00
New sewerage systems	524,650 00
Total	$1,316,381 29
The total number of applications favorably reported upon re Waterworks and Sewerage for the year was 207 and involves an estimated expenditure of	$2,782,563 03

Copy of an Order in Council approved by The Honourable the Lieutenant-Governor, dated the 16th day of December, A.D., 1938.

Upon the recommendation of the Honourable the Minister of Health the Committee of Council advise that section 95a of *The Public Health Act* as enacted by section 8 of *The Public Health Amendment Act, 1938*, be made applicable to the areas designated in the attached schedule.

The Committee further advise that this order shall come into force on the first of February, 1939.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

1. The County of Elgin: Including the Townships of Aldborough, Bayham, Dorchester South, Dunwich, Malahide, Southwold and Yarmouth; and the Villages of Dutton, Port Stanley, Rodney, Springfield, Vienna and West Lorne.

2. In the Vicinity of the City of Guelph, Wellington County:—That part of Guelph Township bounded on the East by the road between Lots 5 and 6; on the South by the township boundary; on the West by the western border of Concession 6; on the North by the road between Concessions 6 and 7 (known as Provincial Highway Number 7, west of the Elora road).

3. In the Vicinity of the City of Kitchener, Waterloo County:—That part of Waterloo Township bounded on the North by the township limits; on the West by the township limits; on the South by the road running from Freeport to German Mills and directly west to the township limits; on the East by the Grand River, together with Lots 124, 71, 70 and 68, immediately east of the Grand River.

4. In the Vicinity of the City of Woodstock, Oxford County:—That part of the Township of Zorra East south of the road between Lots 5 and 6; that part of Blandford Township west of the road between Lots 12 and 13; that part of the Township of Oxford East which is west of the road between Lots 12 and 13 and north of the "Old Stage Road" (between Concessions 3 and 4); that part of the Township of Oxford West which is north of the "Old Stage Road," and east of the line between Lots 3 and 4; that part of the Township of Oxford North which is east of the line between Lots 25 and 26.

5. In the Vicinity of the City of Sault Ste. Marie, District of Algoma:—The Township of Prince.

6. In the Vicinity of the Town of Almonte, Lanark County:—That part of Ramsay Township bounded on the North by the line between Lots 24 and 25; on the West by the road between Concessions 7 and 8; on the South by the line between Lots 5 and 6; and on the East by the easterly limits of the Twelfth Concession.

7. In the Vicinity of the Town of Forest, Lambton County:—That part of Bosanquet Township south of the road between Lots 8 and 9, and west of the road between Concessions 11 and 12, and east of and including Concession 17; that part of Plympton Township east of the road between Lots 24 and 25 and north of the road between Concessions 12 and 13; that part of Warwick Township north of the road between Concessions 6 and 7, and west of the road between Lots 6 and 7.

8. In the Vicinity of the Town of Tillsonburg, Oxford County:—That part of Dereham Township South of the road between Concessions 9 and 10, and east of the road between Lots 7 and 8.

9. In the Vicinity of the Town of Tavistock, Oxford County:—That part of South Easthope Township in Perth County which lies south of the road between Concessions 4 and 5 and east of the line between Lots 25 and 26; that part of Zorra East Township in the County of Oxford east of the road between Concessions 11 and 12, north of the road between Lots 30 and 31, and west of the road between Concessions 14 and 15.

10. In the County of Ontario:—That part of Rama Township bounded on the West by Orillia Township; on the North by Morrison Township; on the East by the road between Lots 5 and 6 to the north boundary of the township; on the South by the road between Lots K and L, and along the north boundary of Indian Reserve Number 32 to Lake Couchiching.

11. In the District of Muskoka:—That part of Morrison Township bounded on the East by the line between Lots 15 and 16; on the North by the line running between Concessions 3 and 4 to Provincial Highway Number 11, then south on Highway Number 11 to the road between Lots 7 and 8, and then westerly to the Severn River; on the West by the township boundary; on the South by the Severn River and Rama Township.

12. In the Township of London, Middlesex County:—That part of London Township south of the road between Concessions 4 and 5.

13. In the Township of McNab, Renfrew County:—That part of McNab Township east of the line between Concessions 10 and 11.

14. The Townships of:—(a) Westminster Township, in the County of Middlesex; (b) Bucke Township in the District of Temiskaming; (c) Baldwin, Merritt and Mongowin Townships, in the District of Sudbury; (d) Gordon Township, in the District of Manitoulin; (e) Melick Township, in the District of Kenora.

15. The Villages of:—Beaverton, Bradford, Burk's Falls, Colborne, Dundalk, Hensall, Markdale, Port McNicoll, Port Rowan, South River, Stoney Creek, Sundridge, Westport.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 30th day of May, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that pursuant to Section 95a of *The Public Health Act*, the said Section 95a of *The Public Health Act* be made applicable to the municipalities and areas set forth in the memorandum hereto attached, and that this Order shall come into force on June 30th, 1939.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

1. The Villages of Bloomfield, Braeside, Brussels, Port Carling, Crystal Beach, Jarvis, Newcastle, Portsmouth, Stirling, Streetsville, Thamesville, Wellington, Wheatley, Woodville.

2. That part of Mersea Township, County of Essex, lying south of the line between Concessions 6 and 7.

3. That part of Gosfield South Township in the County of Essex, lying south of the line between Concessions 3 and 4.

4. That part of Barton Township, in the County of Wentworth, included in Concession 5.

5. Those parts of the Townships of Bosanquet and Stephen, Counties of Lambton and Huron, contained in the Police Village of Grand Bend.

6. THE TOWNSHIPS OF (a) Romney, in the County of Kent; (b) Colchester South, in the County of Essex; (c) Malden, in the County of Essex; (d) Anderdon, in the County of Essex; (e) That part of the area occupied by the Police Village of Belmont in the County of Middlesex.

7. IN THE COUNTY OF HASTINGS—That part of Sidney Township west of the line between Lots 5 and 6 and south of the Canadian Pacific Railway tracks.

8. That part of the Township of Gwillimbury East, County of York, included in the Police Village of Mount Albert.

9. IN THE COUNTY OF GLENGARRY—In the Township of Kenyon, the area south of the line between Concessions 4 and 5 and east of the line between Lots 12 and 13; and in the Township of Lochiel, south of the line between Concessions 3 and 4, and west of the line between Lots 25 and 26.

10. IN THE COUNTY OF PRESCOTT—That area north of the line between Concessions 2 and 3 in the Township of Hawkesbury West.

11. IN THE TOWNSHIP OF WILLIAMSBURG COUNTY OF DUNDAS—The area bounded on the north by the line between Concessions 5 and 6, on the east by the line between Lots 22 and 24; on the south by the road between Concessions 4 and 5; and on the west by the Township boundary.

12. IN THE COUNTY OF RUSSELL—The area north of the base line in the Township of Clarence.

13. IN THE COUNTY OF DUNDAS—That portion of Winchester Township bounded on the north by the line between Concessions 7 and 8, on the east by the line between Lots 6 and 7, on the south by the line between Concessions 4 and 5, and on the west by the Township boundary.

14. IN THE COUNTY OF GRENVILLE—That portion of the Township of Edwardsburg south of the line between Concessions 2 and 3.

15. IN THE DISTRICT OF TEMISKAMING—The Townships of Teck, Lebel, Gauthier, McVittie, Hearst, McGarry and McFadden.

16. IN THE COUNTY OF WELLAND—That part of Bertie Township south of the line between Concessions 2 and 3, and west of the line between Lots 20 and 21.

17. IN THE COUNTY OF ONTARIO—That part of Pickering Township south of the line between Concessions 2 and 3; and that part of the Township of Whitby south of the line between Concessions 3 and 4.

18. IN THE COUNTY OF PRINCE EDWARD—The Township of Ameliasburg contained in Concession 1 and lying east of the line between Lots 76 and 77 and west of Lot 58.
19. The area in the Police Village of Maple in the Township of Vaughan; the area in the Police Village of St. Jacobs in the Township of Woolwich.

Copy of an Order-in-Council, approved by The Honourable the Lieutenant-Governor, dated the 30th day of May, A.D., 1939.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that pursuant to Section 95a of *The Public Health Act*, the said Section 95a of *The Public Health Act* be made applicable to the municipalities and areas set forth in the memorandum hereto attached, and that this Order shall come into force and be effective from June the 30th, 1939, to October the first, 1939, inclusive, and thereafter from June the first to October the first, inclusive, each year.

Certified,

C. F. BULMER,
Clerk, Executive Council.

1. THE VILLAGES OF Erieau, Erie Beach, Sturgeon Point.

2. That part of Harwich Township, in the County of Kent, lying south of the line between Concessions 2 and 3, and south of the line between Lots 2 and 3 running from Erie Beach.

3. That part of the Township of South Walsingham, in the County of Norfolk, lying south of the line between Concessions 2 and 3.

4. That part of the Township of Charlotteville, in the County of Norfolk, lying south of the line between Concessions 1 and 2.

5. That part of Woodhouse Township, in the County of Norfolk, lying south of the line between Concessions 2 and 3.

6. In the District of Muskoka—The Townships of Brunel, Cardwell, Chaffey, Draper, Franklin, Freeman, McLean, Macaulay, Medora, Monck, Morrison, Muskoka, Oakley, Ridout, Ryde, Stephenson, Stisted, Watt and Wood; and the Villages of Port Sydney and Windermere.

7. In the Township of Flos, County of Simcoe—The area lying north of the road between Concessions 7 and 8, and west of the line between Lots 15 and 16.

8. In the Township of Sunnidale, County of Simcoe—The part north of the road between Concessions 12 and 13.

9. In the Township of Nottawasaga, County of Simcoe—That part north of the line between Lots 30 and 31.

10. That part of Innisfil Township in the Councy of Simcoe, lying east of the line between Lots 20 and 21; and the area north of the road between Concessions 12 and 13 with the easterly boundary being the line between Lots 10 and 11.

11. In the County of York—That part of the Township of North Gwillimbury west of the line between Concessions 3 and 4 and also the area north of the line between Lots 19 and 20.

    That part of the Township of Georgia north of the line between Concessions 6 and 7.

12. In the County of Ontario—That part of the Township of Brock north of the line between Concessions 13 and 14 and west of the line between Lots 6 and 7.

    That part of the Township of Thorah west of the line between Lots 10 and 11.

    That part of the Township of Mara west of the Canadian Pacific Railway tracks and west of the line between Lots 25 and 26.

    That part of the Township of Rama west of the line between Lots 18 and 19.

13. That part of Brighton Township, County of Northumberland, lying south of the Canadian National Railway line.

14. In Victoria County—The Townships of Fenelon, Verulam, Mariposa and Ops.

15. In the County of Ontario—The Township of Scugog, and that part of the Township of Reach lying east of the line between Lots 14 and 15, and south of the line between Concessions 10 and 11.

16. In the County of Durham—The Township of Cartwright, and that part of the Township of Manvers west of the line between Lots 10 and 11, and north of the line between Concessions 11 and 12.

17. In the County of Northumberland—That part of the Township of Hamilton north of the line between Concessions 7 and 8.

18. All Townships in the District of Manitoulin.

19. In Torbolton Township, County of Carleton—The area north of the road between Concessions 3 and 4.

20. In the Township of Fitzroy, County of Carleton—The area north of the line between Lots 20 and 21, east of the line between Concessions 7 and 8, and west of the line between Concessions 10 and 11.

21. In the District of Parry Sound—The Townships of Humphrey, Conger, Foley, Cowper, McDougall, Ferguson and Carling, and the Village of Rosseau.

22. In the County of Lanark—The Townships of Burgess North, Elmsley North, Bathurst and Sherbrooke South.

    In the County of Leeds—The Townships of Bastard, Elmsley South, Crosby North.

    In the County of Frontenac—The Townships of Oso and Olden.

23. In the County of Northumberland—The Township of Seymour north of the line between Concessions 10 and 11.

DIVISION OF NURSE REGISTRATION

ALEXANDRA M. MUNN, Reg. N., Director

I have the honour to present the Report of the Division of Nurse Registration for 1939.

The Inspector of Training Schools for Nurses reports that during the past year 59 visits were paid to hospital training schools. Most visits covered from one and a half to two days, although this fall some visits have been somewhat shortened.

In June, 1939, it was the privilege of the Inspector to spend two days in Montreal. Brief visits were made to Headquarters of the Canadian Nurses' Association and to the office of the Canadian Nurse. The Registrar for the Province of Quebec arranged a visit to the Alexandra Hospital for Communicable Diseases. This was full of interest and information and gave every assurance of an excellent undergraduate course. A stimulating visit was paid also to the School of Nursing of the Montreal General Hospital.

Affiliations.

New affiliations established are as follows:

Pediatrical Nursing—St. Joseph's Hospital, Peterboro,
General Hospital, Belleville,
St. Joseph's Hospital, North Bay,
(3 months—Children's Memorial Hospital, Montreal).

Hours of Duty.

A year ago a special plea was made in each hospital for better control of students' hours of duty. This plea was further strengthened by a letter from the office of the Minister of Health. It is estimated roughly that 50% of the training schools are observing the Regulation of 58 hours a week for day staff; and 20 % have radically improved hours of duty for the night staff within the past two years.

Student Nurses' Health.

Seventy-four per cent. of the training schools now arrange at least three health examinations for student nurses within the three years of their course. More laboratory work is being included in this. Consistent improvement is being shown.

The practice of the Superintendent of Nurses procuring certificates of age and education before accepting an applicant for admission into a training school is being established quite rapidly. There are few exceptions now. A circular letter of July, 1939, helped to clarify a few points. The help of the Registrar of the Department of Education has been invaluable to this office.

Most schools show an increase in enrolment in the past year. All residences are filled to capacity. Superintendents of Nurses generally report marked increases in the number of applicants in the past year. This permits more selection.

Four hospitals have opened new residences, all being built on a satisfactory scale. The assistance of the Public Works Department has been appreciated.

Teaching Staff.

Five additional schools have appointed a specially trained full-time Instructor for the first time. One school has appointed a public health instructor.

Attention has been given to the Surgical Technique of the hospital wards, and also to certain routine procedures and equipment.

In 20 hospitals a short talk on the aims of the modern public health programme was given to student nurses.

A conference with head nurses and supervisors was held in 41 hospitals to discuss a ward teaching topic.

Council of Nurse Education.

Six regular meetings of the Council of Nurse Education were held when routine business as well as special work in connection with Provincial Examinations was covered.

Following the declaration of War a special meeting was called in September to consider ways and means of meeting any shortage which might arise in nursing services, either at home or abroad. It was recommended by the Council that Superintendents be asked to increase enrolment so that at least 300 additional students should be in training and to this end some 35 hospitals were selected, keeping in mind the activities of certain services necessary for teaching so that students already in training would not lose any necessary experience through increased classes. The response was gratifying. When all reports were received it was found that there was an increase in the September enrolment of 443 student nurses over 1938. The Superintendents reported that they had long waiting lists for 1940 and that classes had been filled to capacity.

The following Table will show that there has been a gradual increase in enrolment over a period of years throughout the Province:

1933	3,063	1936	3,176
1934	3,069	1937	3,305
1935	3,047	1938	3,555
1939	3,998		

Educational Qualifications.

It is gratifying to note that over a period of years steady progress has been made in improving educational qualifications for applicants to training as shown in the following statement. Candidates holding Normal Entrance Standing or more advanced certificates:

1927	14.7%	1938	59%
1937	45%	1939	74.7%

Discontinued Training Schools.

During 1939 the training school in connection with the Public General Hospital, Smith's Falls, was discontinued.

Reciprocal Arrangements.

Arrangements for reciprocal registration were satisfactorily completed with the Scottish Nursing Council in October, 1939.

Applications from New Zealand and Newfoundland for reciprocity will be considered in 1940, when fuller reports have been received.

Amendment to Nurse Registration Act—re all types of training for Nurses.

On the recommendation of the Honourable the Minister of Health, a Joint Committee, composed of representatives of the Registered Nurses' Association of Ontario and the Council of Nurse Education, was called in 1938 to consider the advisability of offering a definite course of training for practical nurses. One meeting was held in 1939 to consider tentative plans. However, activities were suspended following the declaration of War. In the meantime certain information was secured and will be considered by the Joint Committee early in 1940 when it is hoped that some definite plans may take shape.

History of Nursing Slides.

This loan service has been greatly appreciated by training school Superintendents and Instructors of Nurses. While the service is slow it has, as was hoped in the beginning, encouraged a number of schools to build up their own collection of teaching material.

STATEMENT OF REGISTRANTS

Total number registered, 1939	1,192
Total number taking examinations, 1939	1,277
Total number registered since 1923	23,975

STATEMENT OF REVENUE

Registration Fees	$ 6,475 00
Re-Registration Fees	$ 15,014 00
Training School Records	79 00
Examination Fees	5,674 00
Miscellaneous	36 85
	$ 27,278 85

DIVISION OF DENTAL SERVICES

F. A. KOHLI, D.D.S, Director

During the past year a considerable number of municipalities have taken advantage of the grant to aid in establishing school dental services. In municipalities of 20,000 or over, the regulations require that equipment be installed either in the schools or in some central clinic. Municipalities of less population have the option of either installing equipment or making a contract for the work to be done in the office of the local dentists. As a properly equipped clinic in the schools has obvious advantages, provision is made in the grant for a generous rebate of the cost of equipment. The grant also provides 20% or 30%—according to population—of the operating costs which will include salary to the dentists and dental supplies.

Educational booklets have been distributed to school children; and notification of defects forms supplied to dentists making a survey of the mouth health of the children. The numerous requests for this material has shown an increasing interest in oral hygiene, throughout the province.

A much needed dental service has been given to the children in unorganized territory by the dental car. The car, travelling on the Canadian Pacific Railway line, has been in the Kenora and Thunder Bay area during the year, and the dentist in charge finds there is a considerable amount of work to be done.

As of April 1st, 1939, the plan of emergent dental treatment for relief recipients was discontinued. However, it was later decided to carry on the plan in unorganized territory only. As the municipalities have not provided, to any extent, for those unable to pay for the services of a private dentist, it is hoped that some means of obtaining necessary extractions and dentures will be made available in the near future.

The dental clinic in each of the Ontario Hospitals has been regularly inspected, and, where necessary, consultation service given by the Director. A satisfactory clinic routine has been established, whereby an oral examination and dental radiographs are made of new admissions to the hospitals; all other patients are given necessary attention; and patients encouraged to give special attention to oral hygiene. The Central Laboratory has required the added services of a part-time mechanic in order to keep up with the demand of the prosthetic work. In view of a new unit being added to the Woodstock Hospital it was thought advisable to change this clinic from a part-time to a full-time service.

The dental staff is well represented in the Canadian Dental Corps by Dr. R. P. Markle, from Brockville Hospital and Dr. H. R. McLaren, from Hamilton Hospital.

HEALTH EDUCATION

MARY POWER, B.A.

I. Public Health Education.

Health Education of the general public during the year was limited to distribution of literature. Displays were prepared for: the meeting of the Ontario Medical Association at Hamilton in June; the meeting of the American Hospitals Association at Toronto in September; the International Ploughing Match which was held this year at Brockville, in October. Upon request of the Deputy Minister of Education, our office co-operated in the setting-up of an exhibit on health education in schools in the Education Section of the Canadian National Exhibition. Routine office activities included correspondence which reached a total of 1,815 incoming letters, and outgoing letters to the number of 1,730.

Method of Distribution of Health Literature—General.

The policy of the Department is to fill all orders from private physicians direct and send material from central office. Requests from teachers for health education in the schools are handled as outlined in Section II of this report. With regard to requests from individuals or organizations of lay people in rural areas the material is sent direct from central office. This is in accordance with arrangements made with rural medical officers of health, based on the difficulty of transferring the material from the office of the local Board of Health to the residence of the inquirer.

Requests from cities, towns and villages are acknowledged and referred to the local Health Officer, together with our offer to forward material in any quantity he may desire. This procedure gives the local Officer of Health a knowledge of the number and nature of requests for help in health education as expressed by the residents of his community. It makes for acquaintance and closer contact between him and his public. It allows him to assume the responsibility which is rightly his and permits the central office to aid him in meeting his obligations. The Medical Officers of Health have expressed their satisfaction with regard to the working out of this policy.

Distribution to Special Groups:

1939 witnessed a change in procedure with regard to distribution of material to special groups. The first group to be supplied was the local public health nurses who include school health work in their programme. A budget of reference material to help the nurse in her work with the teachers was compiled and sent to 275 nurses. This entailed the handling of 18,500 pieces of material. Instructresses in training schools for nurses in the hospitals of Ontario were sent budgets to assist in their work of hygiene instruction. This group included 70 training schools and the total pieces required for the budgets was 5,000. The demand on the part of those sponsoring home nursing classes resulted in a large number of requests for material to be used in this connection.

Extent of Distribution.

Of the leaflets on health topics distributed during the year, "The Baby," covering the care of the child to six years of age, still leads in popularity. The distribution over the year reached a total of more than 30,000 copies. The publication of "Safe Milk" was timely, as there has been a great demand during the current year on the part of the general public and teachers for authoritative statements upon pasteurization, production and care of milk. The advanced legislation with regard to tuberculosis has created a demand for leaflets on various aspects of the control, care and prevention of this disease. At the present time this demand is being met through the kind co-operation of the Canadian Tuberculosis Association.

We beg to acknowledge with many thanks the splendid co-operation of the various life insurance companies operating in Canada who have given generously from their stock of leaflets for distribution through our office. In the main these have been bulletins referring to nutrition and other topics upon which we have no publications available. We wish also to express our appreciation to the Canadian Welfare Council for their assistance in the matter of literature for distribution.

Health Education Aids:

The use of films, slides and radio broadcasts as applied to health and education is increasing in effective technique from year to year. Fortunately, we were able to attend some of the demonstrations and lectures of a Course on Visual Education sponsored by the Department of Education and held for the first time this year. The Course was under the leadership of Mr. J. G. Cons, an educationalist of experience in this special field who came from England for three weeks in August.

A thorough survey of films and equipment belonging to the Department was made during the Fall. The Board of Censors of the Department of the Provincial Treasury co-operated in the matter of testing the films of standard width, together with those of narrow gauge which could not be shown on our machine. The result of the appraisal shows that the equipment on hand is no longer suitable for use, with the exception of one projector for 16mm films and one projector for slides. With the exception of three of the 35mm size, the total library of films had to be discarded, owing to bad condition and out-dated techniques and set-up, together with the fact that 28mm films are no longer on the market nor are machines of this size in use, except in a very few cases throughout the province. Our loan service of films and equipment to local health agencies has been discontinued for some time. It will not be possible to resume this as a departmental service until such time as we have supplanted the old films and equipment with the prevailing type of machine and a library of films, both silent and sound, in the 16mm size.

II. School Health Education.

The office was again asked to take responsibility for the details of organization for the Summer Course in Health Education, an accredited course leading to professional credit by the Department of Education, and operated jointly by the latter department and the Department of Health. This year the attendance numbered 153; 34 teachers coming from cities and 119 from towns, villages and rural schools. In all, 71 inspectorates were represented. The programme this year again included the provision of a complete physical examination by a group of private physicians upon payment of a nominal fee by the students. Nursing service was maintained throughout the course for the students. This was made possible through the kind co-operation of the public health nursing staff of the Department. A demonstration school was again operated with an attendance of 100 children in Grades I to VIII.

One item of importance with regard to our efforts in school health education, was the publication during the year by the Metropolitan Life Insurance

Company of Monograph No. 11 in their School Health Series. A statement of our efforts in the field of teacher-training is evidently of interest to health and education authorities throughout the United States and Canada, as within the first month after publication requests were received that the monograph be sent to training schools and colleges in practically every province of Canada, and 36 States in the Union. The Company was good enough to supply us with copies for distribution to all teachers who had registered in the seven sessions of the summer course since its inception. This was in acknowledgment of the contribution which these teachers have made, singly and as a group, to the organization of the Summer Course in Health Education throughout the years of its existence.

During the year an attempt was made to visit the teachers who have taken the course. We again held "Open House" on Saturday morning for those who can call at our office. Correspondence with inspectors relating to the Certificate in Health Education represents a large part of our correspondence work during the year. Revision of the mailing list for teachers is a routine procedure following the opening of school in September. This consists of sending 1,000 notices and the checking and entry of the replies.

During the school year 1938-39 the office worked with a large number of teachers in various types of school in the matter of enterprises connected with healthful living and health topics in their regular school work. The results of these endeavours were sent to Toronto for presentation to the teachers in attendance at the Summer Course in Health Education; they were retained and shown in the educational section of the Canadian National Exhibition upon the request of the Deputy Minister of Education.

During the year a check-up was made with regard to the various sources in Canada, the United Kingdom and the United States, from which teachers and nurses may obtain material for their work in health education in the school. The teachers who attended the summer course were sent budgets to the number of 760, representing a total of 10,000 pieces of material; bound books for teachers' reference to the number of 371 were sent to 221 teachers. To 81 staff members and inspectors 86 books were loaned during the year.

Service to teachers who have not attended the Summer Course in Health Education dates only from the beginning of the school year 1938-1939, at which time "Health — A Handbook of Suggestions for Teachers in Public and Separate Schools" was distributed free of charge to each class-room in the elementary schools as a joint contribution from the Department of Education and the Department of Health. During 1939 help was given to this group of teachers as follows: 200 teachers in the elementary schools; 82 in high schools, and 17 in normal schools, entailing the assembly and mailing of 4,500 pieces of material.

Visiting of schools in the Windsor district with regard to the work of health education in the classroom was planned to coincide with the regional and national meetings of the Progressive Education Association. Contacts made in this way were most valuable in making possible a comparison of our work with that of other agencies. Many new ideas were gained through attendance at the formal sessions, personal interviews and group conferences during the meetings.

III. Ontario Health Officers Association:

The annual conference of the Ontario Health Officers' Association was held this year at the Royal York Hotel, Toronto, June 12, 13 and 14th, in conjunction with the Twenty-eighth annual meeting of the Canadian Public

Health Association. The sessions of the conference were presided over by Dr. T. H. McColl, Medical Officer of Health for the Town of Tilbury. The registered attendance reached a total of 451 and the members made the meeting a memorable one by the extent of their participation and their sustained interest in the proceedings.

The afternoon programmes and the dinner conference were general sessions of both associations, giving all members an opportunity to hear prominent speakers in the field of preventive medicine and public health.

In order to welcome to membership in the Association those Medical Officers of Health, newly appointed during the year, a special meeting was arranged. This provision made it possible for the group to discuss various problems of local health administration with the Deputy Minister; the Chief Medical Officer of Health; the Solicitor to the Department; and the Directors of the various Divisions. The large attendance of the new appointees and the comprehensive discussion which followed suggests the advisability of including such special meetings as an integral part of the annual conference.

A Library Unit was operated during the entire Conference by Miss Rita Wright, librarian of the Department. The publishers were most co-operative in loaning new publications and helped to make the display complete and up-to-date. The many and varied requests for information made manifest the deep interest of the members and the need for such service at the conference. Requisitions in large numbers were made out by the medical officers at the booth, the filling of which entailed the assembly and mailing of 7,620 pieces of literature. After two years of experimentation, the library unit is now recognized as an important medium for staff education, and as such is established as a regular feature on the programme of the annual meeting.

At the call of the President, the Executive met previous to the meeting. A complete attendance was registered as follows: Dr. C. A. Warren, president; Doctors F. A. Ladouceur, H. E. Welsh, H. B. Kenner, J. Edgar Davey, G. B. Stalker, W. E. Brown, C. H. Bird, J. W. Mackie, H. M. Young, J. C. Gillie, and the secretary, Miss M. Power.

Standing committees were appointed and later reported to the general meeting as follows:

Committee on Accident Prevention: Your Committee beg to submit an interim report requesting that it be allowed to continue for the ensuing year. We beg to request also that we be allowed to add to the personnel of the committee.

We hope to be able to submit a comprehensive report upon this important subject at the next conference of the Association.

Members:—Dr. C. E. McLean, East York.; Dr. C. B. Kelly, Port Hope,
L. A. Pequegnat, Convenor.

The Committee on Resolutions brought in the following report:

Your Committee begs to bring in the following report submitting for consideration of the Ontario Health Officers' Association resolutions as listed below:

1. That the Department of Health of Ontario be asked to formulate a plan providing for a new section in this Association to be known as the Section of "Sanitary, Food and Dairy Inspectors;" and that this report be ready for submission to the members of this Association at the next annual meeting.

Moved by Dr. C. A. Harris; seconded by Dr. W. E. Brown.

2. Whereas municipalities are loathe to initiate or extend nursing services in the municipality, on account of financial difficulties, we request the Honourable the Minister of Health to press for Government aid to assist in these services.

Moved by Dr. W. Ward Woolner; seconded by Dr. J. W. Fraser.

3. We beg to again bring to the attention of the Department of Health the necessity of further study of the problem of the tuberculosis rebel as to effective hospitalization.

Moved by Dr. J. E. Davey; seconded by Dr. C. A. Warren.

4. That the Ontario Department of Health be requested to make a survey of the Trachoma situation in this Province with a view to finding:

(1) The number of cases in the province.

(2) The number of native-born Canadians affected.

Moved by Dr. J. E. Davey; seconded by Dr. F. A. Adams.

5. That the Department of Agriculture of Ontario be requested to carry on a campaign of education in dairy farm sanitation among the farmers of the province.

Moved by Dr. F. A. Ladouceur; seconded by Dr. C. H. Bird.

6. That the following committee of three be appointed to consider the question of the salary of the Medical Officer of Health and also his expenses relative to attendance at the Annual Meeting of the Health Officers; and that this committee meet with the Honourable the Minister of Health before the closed of this conference: Dr. T. H. Rutherford, of Burford; Dr. C. H. Bird, Gananoque, and Dr. F. A. Ladouceur, of Casselman.

Moved by Dr. J. W. Mackie; seconded by Dr. H. M. Young.

All of which is respectfully submitted

Members:—Dr. W. J. Cook, Dr. W. Ward Woolner; Dr. J. W. Fraser, Convenor.

The Committee on Nominations (Members:—Dr. H. M. Young, Dr. G. Murray Fraser, Dr. W. Ward Woolner, Convenor,) brought in a report as follows, which was adopted unanimously and resulted in the election of the following officers for the year 1939-40:

Honourary President—The Honourable Harold J. Kirby, K.C., Minister of Health.

President—Dr. C. A. Warren, M.O.H., York Township.

First Vice-President—Dr. F. A. Ladouceur, Casselman.

Second Vice-President—Dr. H. B. Kenner, Stratford.

Secretary—Miss M. Power.

Executive Committee—Composed of representatives of the eight districts of the Ontario Medical Association—Dr. C. A. Harris, London; Dr. G. B. Stalker, Hanover; Dr. J. E. Davey, Hamilton; Dr. W. E. Brown, Orillia; Dr. C. H. Bird, Gananoque; Dr. G. Murray Fraser, Peterborough; Dr. J. W. Mackie, Lansdowne; Dr. H. M. Young, Iroquois Falls; Dr. J. C. Gillie, Fort William.

PROGRAM

MONDAY, JUNE 12th

9.00 a.m.: REGISTRATION

ONTARIO HEALTH OFFICERS ASSOCIATION

9.30 a.m. Ball Room

Chairman—Dr. T. H. McColl, Medical Officer of Health, Tilbury, and President, Ontario Health Officers Association.

New Legislation and Regulations—Dr. K. G. Gray, Dr. H. A. Ansley, Dr. G. C. Brink, Dr. J. G. Cunningham and Dr. F. M. R. Bulmer, Department of Health of Ontario.

Reporting of Communicable Diseases—Dr. H. A. Ansley, Epidemiologist, Department of Health of Ontario.

Recent Advances in the Control of Venereal Disease—Dr. A. L. McKay, Department of Health of Ontario.

Medical Service in Industry—Dr. J. G. Cunningham, Director, Division of Industrial Hygiene, Department of Health of Ontario.

CANADIAN PUBLIC HEALTH ASSOCIATION

SECTION OF VITAL STATISTICS AND EPIDEMIOLOGY

10.00 a.m. Hall D

Chairman—Dr. L. A. Pequegnat, Deputy Medical Officer of Health, Toronto.

The Low Mortality Rate from Tuberculosis in the Jewish Race—Dr. Eugene Gagnon, Assistant Director and Demographer, Department of Health, Montreal.

Reports of Committees:

The Committee on the Certification of Causes of Death—Dr. R. D. Defries.

The Sub-Committee on Stillbirth Registration and Certification—Dr. A. H. Sellers.

The Sub-Committee on the Confidential Death Certificate—Dr. Paul Parrot, Quebec.

LUNCHEON MEETING, 12.30 p.m. PRIVATE DINING ROOM No. 10

Review of the Paris Revision of the International List of Causes of Death—Dr. Haven Emerson, Director, De Lamar Institute of Public Health, Columbia University, New York.

MONDAY, 2.15 P.M.

CANADIAN PUBLIC HEALTH ASSOCIATION

ONTARIO HEALTH OFFICERS ASSOCIATION

Banquet Hall

Chairman—Dr. R. E. Wodehouse, Deputy Minister of Pensions and National Health, Canada, and President of the Canadian Public Health Association.

Presidential Address—Dr. T. H. McColl, Tilbury, Ont., President of the Ontario Health Officers Association.

Current Practice in Communicable Disease Control—Dr. Haven Emerson, Director, De Lamar Institute of Public Health, Columbia University, New York.

The Value of Present Control Measures in Communicable Diseases—Dr. R. B. Jenkins, Chief, Division of Epidemiology, Department of Pensions and National Health, Ottawa.

Some Observations in Respect to General Paresis—Dr. B. T. McGhie, Deputy Minister of Health, Province of Ontario.

Diphtheria Immunization—Dr. D. T. Fraser, Connaught Laboratories and School of Hygiene, University of Toronto.

TUESDAY, JUNE 13th, 9.15 A.M.

ONTARIO HEALTH OFFICERS ASSOCIATION

Banquet Hall

Chairman—Dr. T. H. McColl, President.

School Dentistry—Dr. F. A. Kohli, Director of Dental Services, Department of Health of Ontario.

Treatment of Scabies—Dr. D. V. Currey, Medical Officer of Health, St. Catharines, Ont.

Treatment of Congenital Syphilis—Dr. E. A. Morgan, Toronto.

Ontario Cancer Clinics—Dr. A. Hardisty Sellers, Medical Statistician, Department o Health of Ontario.

The Place of Tuberculin Testing in the Control of Tuberculosis—Dr. M. H. Brown, Connaught Laboratories and School of Hygiene, University of Toronto.

Interpretation of Laboratory Results—Dr. A. L. MacNabb, Director, Division of Laboratories, Department of Health of Ontario.

The Role of Vermin in the Transmission of Infectious Disease in Man—Dr. W. B. McClure, Division of Laboratories, Department of Health of Ontario.

Sewage Disposal for Private Residences and Public Buildings—Dr. A. E. Berry, Director, Division of Sanitary Engineering, Department of Health of Ontario.

SECTIONS OF PUBLIC HEALTH NURSING AND MENTAL HYGIENE

Ball Room

Chairman—Miss Edna L. Moore, Reg. N., Chairman of the Public Health Nursing Section; and Dr. C. G. Stogdill, Vice-Chairman of the Mental Hygiene Section.

The Amalgamation of Three Specialized Services into a Community Health Program: A Review of Five Years' Experience in Hamilton—Dr. J. E. Davey, Assistant Medical Officer of Health, Hamilton. Mrs. Agnes Haygarth, Director of Public Health Nursing Department of Health, Hamilton.

The Rehabilitation of the Mentally Ill—Dr. C. A. Buck, Department of Health of Ontario.

11.30 a.m.—Business Meeting, Public Health Nursing Section. Reports of Committees.

SECTION OF VITAL STATISTICS AND EPIDEMIOLOGY

Hall D

Chairman—Dr. L. A. Pequegnat, Deputy Medical Officer of Health, Toronto.

Some Observations on Venereal Disease Statistics in Canada—Dr. M. F. McGavin, Department of Epidemiology and Biometrics, School of Hygiene, University of Toronto.

Illness among 35,000 Civil Servants—Dr. F. S. Burke, Chief Medical Investigation Division, Department of Pensions and National Health, Ottawa.

Some Fallacies in Vital Statistics—Dr. N. E. McKinnon, Connaught Laboratories and School of Hygiene, University of Toronto.

Population Estimates—Mr. M. C. MacLean, M.A., Chief, Division of Social Analysis, Dominion Bureau of Statistics, Ottawa.

Analysis of Goitre Cases treated in the General Hospital and Hotel Dieu, Kingston, from 1930-1938, with special reference to Locality and Type of Disease—Dr. J. Wyllie, Professor of Preventive Medicine, Queen's University.

The Development of the St. Jean-Iberville-Laprairie-Napierville County Health Unit, St. Jean, Que.—Dr. J. A. Lapierre, Medical Officer of Health.

An Outbreak of Acute Anterior Poliomyelitis in Alberta during the Winter Season—Dr. A. C. McGugan, Director, Division of Communicable Diseases, Department of Public Health of Alberta, Edmonton. (Presented by Dr. Malcolm R. Bow, Deputy Minister of Public Health of Alberta).

TUESDAY, 2.15 P.M.

CANADIAN PUBLIC HEALTH ASSOCIATION

ONTARIO HEALTH OFFICERS ASSOCIATION

Banquet Hall

Chairman—Dr. R. E. Wodehouse, Deputy Minister of Pensions and National Health, Canada, and President of the Canadian Public Health Association.

The Program of Medical Care in Manitoba—Dr. F. W. Jackson, Deputy Minister of Health and Public Welfare, Winnipeg.

The Present Program of Medical Care in England and Wales—Sir Arthur MacNalty, K.C.B.' K.H.P., Chief Medical Officer, Ministry of Health, London.

The Present Situation regarding the Adequacy of Medical Care in the U.S.A.—Dr. Nathan Sinai, Professor of Hygiene and Preventive Medicine, University of Michigan, Ann Arbor.

The Present Situation regarding the Adequacy of Medical Care in Canada—Dr. Grant Fleming, Dean of the Faculty of Medicine and Director of the Department of Public Health and Preventive Medicine, McGill University, Montreal.

TUESDAY, 7.15 P.M.—ANNUAL DINNER

CANADIAN PUBLIC HEALTH ASSOCIATION

ONTARIO HEALTH OFFICERS ASSOCIATION

Presidential Address—Dr. R. E. Wodehouse, Deputy Minister of Pensions and Nationa Health, Canada, and President of the Canadian Public Health Association.

Address: The Progress of Health Work and Social Services in the British Colonies—Sir William McLean, K.B.E., Representative of the British Secretary of State at the New York World's Fair, 1939.

Presentation of awards to the winning units in the 1938 Canadian Rural Health Conservation Contest—Dr. Edward S. Godfrey, Jr., Commissioner of Health, New York State, and President-elect, American Public Health Association.

Presentation of honorary life membership in the Canadian Public Health Association to Sir Arthur MacNalty, K.C.B., Dr. A. J. Douglas, Winnipeg; Dr. J. J. Cameron, Antigonish, N. S.; and Dr. J. K. McLeod, Sydney, N. S. To be presented by The Hon. Harold J. Kirby, K.C., Minister of Health of Ontario, and Honorary President, Canadian Public Health Association and Ontario Health Officers Association.

WEDNESDAY, JUNE 14th, 9.15 A.M.—SECTION MEETINGS

CANADIAN PUBLIC HEALTH ASSOCIATION

ONTARIO HEALTH OFFICERS ASSOCIATION

SECTIONS OF VITAL STATISTICS AND EPIDEMIOLOGY AND PUBLIC HEALTH NURSING

Banquet Hall

Chairmen—Dr. L. A. Pequegnat and Miss Edna L. Moore.

The Place of the Public Health Nurse in a Community Health Program—Dr. Reginald M. Atwater, Executive Secretary, The American Public Health Association, New York.

The Organization and Operation of Public Health Nursing—Miss Edna L. Moore, Reg.N., Chief Public Health Nurse, Department of Health of Ontario.

The Significance of the Phage Typing of B. typhosus in relation to Epidemiology—Dr. James Craigie, Connaught Laboratories and School of Hygiene, University of Toronto..

The Use of Craigie's Phage Typing of the S. typhi as Applied in the Epidemiological Investigation of Sources of Infection—Dr. Kenneth F. Brandon, The Aetna Life Insurance Company, Hartford, Conn.

INFECTIOUS JAUNDICE:

Epidemiology—Dr. R. P. Hardman, Division of Preventable Diseases, Department of Health of Ontario.

Laboratory Findings—Dr. A. L. MacNabb, Director, Division of Laboratories, Department of Health, Ontario.

An Outbreak of Staphylococcal Food Poisoning in Hamilton, Ontario: Epidemiological Investigation—Dr. James Roberts, Medical Officer of Health.

Laboratory Findings—Mr. R. J. Wilson, M.A., Department of Hygiene and Preventive Medicine, University of Toronto.

SECTION OF INDUSTRIAL HYGIENE

Hall D

Chairman—Dr. R. H. Robson, Walkerville, Ont.

The New Division of Industrial Hygiene of the Ministry of Health, Province of Quebec—Dr. F. J. Tourangeau, Director.

The Practice of Preventive Medicine by a General Practitioner among Employees in a Small Factory—Dr. H. M. Harrison, Medical Director, Canadian Medical Institute, Toronto.

Arrangements for the Control of Ill-health in a Group of Small Factories using a Physician and Nursing Services—Dr. F. M. Griffin, Toronto.

Control of Sickness in a Large Group of Lumber-camp Workers—Dr. W. I. Taylor, Foleyet, Ontario.

Discussion—

Health Supervision for:

Cardiovascular Disease in Railway Employees—Dr. Dowd, Canadian National Railways Company, Montreal.

Neuroses in a Large Office Group.—Dr. F. S. Parney, Director, Division of Industrial Hygiene, Department of Pensions and National Health, Ottawa.

Gastro-intestinal Diseases in Steel Workers—Dr. Day, Steel Company of Canada, Hamilton.

LABORATORY SECTION

Concert Hall

Scarlet Fever Immunization in Edmonton, Alberta—Dr. G. M. Little, Medical Officer of Health, Edmonton. Presented by Dr. R. B. Jenkins, Chief, Division of Epidemiology, Department of Pensions and National Health, Ottawa.

Discussion—Dr. G. Murray Fraser, Medical Officer of Health, Peterborough, Ont.

Active Immunization against Tetanus using Tetanus Toxoid.—Dr. Helen Plummer, Connaught Laboratories and School of Hygiene, University of Toronto.

The Health Officer and Smallpox Vaccination—Dr. C. A. Warren, Medical Officer of Health, York Township, Ontario. Dr. Ad. Groulx, Director, Department of Health, Montreal

Essentials in a Program of Diphtheria Immunization:—

Rural: Dr. A. R. Foley, Epidemiologist, Ministry of Health of Quebec.
Dr. C. R. Donovan, Epidemiologist, Department of Health and Public Welfare of Manitoba, Winnipeg.
Dr. C. D. Farquharson, Medical Officer of Health, Scarborough Township, Ont.
Urban: Dr. T. A. Lomer, Medical Officer of Health, Ottawa.

Control of Whooping Cough by Vaccination—Dr. Nelles Silverthorne, Connaught Laboratories, University of Toronto, and Hospital for Sick Children.

Discussion—Dr. H. A. Ansley, Department of Health of Ontario.

MENTAL HYGIENE SECTION

Library

Chairman—Dr. C. G. Stogdill, Department of Public Health, Toronto, and Vice-Chairman of the Section.

The Convulsive Child in the Community—Dr. W. W. Barraclough, Hospital for Sick Children, Toronto.

The Value of Foster Home Care in Dealing with Problem Children—Dr. E. P. Lewis, Director, Out-Patient Department, Toronto Psychiatric Hospital.

Psychiatric Social Work with Recessive Adolescents—Mrs. L. Dalziell, Division of Mental Hygiene, Department of Public Health, Toronto.

Public Health Engineering Section

Hall C

Public Health Aspects of Plumbing Inspection—Mr. George F. Fitzsimons, Chief Plumbing Inspector, City of Toronto.

Prevention of Motor Traffic Hazards—Mr. Arthur H. Rowan, Statistician, Motor Vehicles Branch, Department of Highways, Province of Ontario.

Engineering Features of Dairy Layouts and Equipment—Mr. G. A. H. Burn, Sanitary Engineer, Eastern Ontario Health Unit, Alexandria, Ont.

WEDNESDAY, 12.30 P.M.

Luncheon, Public Health Education Section

Address: What Can the University Contribute to Public Health Education?—Professor Roy Fraser, Professor of Bacteriology, Mt. Allison University, Sackville, N.B.

WEDNESDAY, 2.15 P.M.

Canadian Public Health Association

Ontario Health Officers Association

Banquet Hall

Chairman—Dr. R. E. Wodehouse.

Some Observations on Compulsory Pasteurization—Dr. A. E. Berry, Director, Division of Sanitary Engineering, Department of Health of Ontario.

Nutrition and the Public Health Officer—Dr. Edward P. Cathcart, Glasgow University, Glasgow, Scotland.

Nutrition in Canada—Dr. E. W. McHenry, Connaught Laboratories and School of Hygiene, University of Toronto.

Some Aspects of the Child Health Program in Canada—Dr. Ernest Couture, Director, Division of Maternal and Child Hygiene, Department of Pensions and National Health, Ottawa.

DIVISION OF LABORATORIES

A. L. MacNabb, V.S., B.V.Sc., *Director*

The volume of work conducted by the Division of Laboratories during the year 1939 shows an increase of 44,397 examinations, which is an increase of 8 per cent. over the year 1938.

The Central Laboratory staff has 71 members. Of this number, 4 are employed for overtime duty and 1 as messenger. The Central Laboratory has a member of staff on duty from 7.30 a.m. to 12 midnight each and every day of the year. During the year 1939, 5 members resigned, 1 enlisted and 1 was transferred. Dr. E. L. Barton was appointed to our staff, effective September 1st, as Assistant Bacteriologist, Group 1. Dr. W. M. Wilson was given leave-of-absence in order that he might serve as Pathologist at the Institute of Public Health, London. Mr. R. Bull, M.A., Miss J. MacAlpine, B.A., and Mr. G. Ross, of the Central Laboratory staff were transferred to the laboratory established in the Government Building, Barrie Street, Kingston.

The following Papers were presented:

"Interpretation of Laboratory Tests," by Dr. A. L. MacNabb. The Ontario Health Officers' Association Meeting.

"Laboratory Diagnosis of Leptospiral Infection," by Dr. A. L. MacNabb. The Ontario Health Officers' Association Meeting.

"Diseases Transmitted by Vermin to Man," by Dr. W. B. McClure. The Ontario Health Officers' Association Meeting.

"Leptospirosis," by Dr. A. L. MacNabb. The Central Canada Veterinary Association Meeting.

At the Christmas meeting of the Laboratory Section of the Canadian Public Health Association the following papers were presented:

"Vi Antigen Agglutination as a Routine Diagnostic Test"—(Preliminary Report)—by Miss V. Crossley, B.A.

"Influenzal Meningitis," by Dr. A. E. Allin, Director, Fort William Branch Laboratory.

"The Routine Diagnosis of Fungus Disease in the Diagnostic Laboratory," Dr. W. B. McClure.

"Statistical Study of Ten Years Diagnostic Pathological Service," Dr. Stuart Penny.

Papers Published:

"Study of Concentration Methods for the Microscopic Smear Examination of Tubercle Bacilli," by Dr. J. W. Bell, in the Canadian Journal of Technology.

"Use of S. Paratyphi B. Type and Group Antigen for the Diagnostic Agglutination Test," by Miss V. Crossley, B.A., Miss H. Conway, B.A., and Miss M. Rankin, B.A., in the Canadian Journal of Technology.

"Interpretation of Serodiagnostic Procedures in Syphilis," by Dr. A. L. MacNabb and Miss G. Matthews. Canadian Public Health Journal.

Investigation Work:

(1) Study as to the use of S. Typhi Vi Antigen as a routine diagnostic test.

(2) Serological study of Blood Sera from Patients administered T. A. B. vaccine by the subcutaneous and intracutaneous route.

(3) Quantitative serodiagnostic tests for specific infection.

Following is a brief résumé of the work conducted by the Division:

Table I attached outlines the number and nature of examinations conducted in the Central and each of the Branch Laboratories.

TABLE I

DIVISION OF LABORATORIES—DEPARTMENT OF HEALTH, ONTARIO

Year of January 1 to December 31st, 1939

To The Deputy Minister of Health:—

ROUTINE PROCEDURES. NUMBER OF EXAMINATIONS

Type of Specimen	Toronto	London	Ottawa	Fort William	Kingston	North Bay	Peterboro	Sault Ste. Marie	Total
BACTERIOLOGY:									
Diphtheria—Direct Smears	2281	1042	1137	994	51	100	132	3	5740
Cultures	6173	1298	2971	514	514	418	155	1213	13256
Virulence Tests	209	7	1	1		5		1	224
Kellogg Tests	74								74
Further Tests	550					370		748	1668
Tuberculosis—									
Microscopic Smears	11783	5047	2621	1630	2503	1235	441	273	25533
Guinea Pigs Inoculated	884	15	19	64		80	12	1	1075
Cultures	6732	364	872	624	107	571		1	9271
Complement Fixation									
Miscellaneous—									
Pneumonia Typings	2302	309	49	330	132	214	21	2	3359
Other Miscellaneous	10812	11506	373	2339	600	1445	369	1025	28469
Agglutinations—									
Whole Bloods—S. Typhi	2606	1474	257	475	259	242	94	16	5423
Para A	2606	1264	251	240	259	242	93	16	4971
Para B—S. Para B. Group	2606	1266	254	482	259	242	94	16	5219
S. Para B. Type	2606								2606
B. Abortus	2606	1429	241	244	259	242	110	17	5148
B. Tularense	2606	306	1	223		242	87	16	3481
B. Para Dysentery Flexner	45	5	1						51
B. Dysentery Sonne	45								45
B. Dysentery Shiga	24		1						25
B. Proteus									
Leptospira									
Feces Examinations—									
Parasitic Ova	166	42	112	16	4	26	1	3	370
Occult Blood	47	31	67	18	9	11	5	3	191
Cultural	2740	479	100	365	160	398	20	3	4265
Blood Cultures	3472	1446	156	320	229	251	120	28	6022
Spinal Fluids	576	1060	85	164	92	124	34	37	2172
Sanitary Analysis									
Milk (Fluid)	7446	4331	3356	3371	1442	1179	969	2057	24151
B. Coli	6037	2621	3365	978	243	1179	261	10	14694
Phosphatase	2523	768	298	412		613		325	4939
Ice Cream		341	67			600			1008
B. Coli		341	67						408
Phosphatase		1							1
Water	12329	4111	4652	4086	911	2129	1502	3634	33354
Utensils and Beverage	80	184	508	300			36		1108

TABLE I—Continued

Routine Procedures	Number of Examinations								
Type of Specimen	Toronto	London	Ottawa	Fort William	Kingston	North Bay	Peterboro	Sault Ste. Marie	Total
Streptococcal Cultures	1307								1307
Germicidal Tests	6								6
Syphilis:									
Dark Field	245	17	11	50	15	77	4	3	422
Blood Sera—S. Kahn	64320	19897	17900	8098	5754	12342			128311
Hinton	63152	19760	17363	7996	5754	12273			126298
Wassermann	1775	1643	804	489	3909				8620
P. Kahn	480	3540	6	7		201			4235
Quantitative Tests	50	580		25					655
Spinal Fluids—									
K. Wassermann	3725	603	465	55	52				4900
S. Kahn	2502	494	397	124		93			3610
Colloidal Gold	3794	1057	462	221		77			5611
Total Protein	2948	106	471	292		3			3820
Gonorrhoea—									
Smear Examinations	17495	3472	4519	3360	1742	4519	930	1647	37684
Cultural Tests	83		5	12					100
Complement Fixations	459	63							522
Pathology:									
Biopsy	8042	2235			3025		658		13960
Autopsy	91	13					238		342
Chemistry:									
Milk		3364	3433	1176	290	1114	1331	4556	15264
Blood Sugar	13899	2988	504	555	370	870	215	648	20049
N. P. N	6310	1725				372		16	8423
Water	133	31	6					366	536
Coal Samples	83								83
Miscellaneous	247	468	496	395	75	108	75	1016	3880
Liquors—Alcohol	1181								1181
Beers	169								169
Spirits	292								292
Wines	403								403
Cow's Blood—Bang's Infection	2593	786		1			1		3381
Mastitic Tests		17	82			6			105
Rabies—No. Examined	41	10							51
Grand Total for Year	288791	103957	68806	41046	29019	44213	8008	17700	601540

From Table I it will be seen that 601,540 examinations were conducted during the past year, which is an increase of 44,397, or 8 per cent. over the previous year. In reviewing this increase a few phases of the work are worthy of special mention.

The number of specimens of sputum for culture examination for the presence or not of tubercle bacilli showed an increase of 887 or 36 per cent. There was a marked increase in the number of stool specimens examined, the increase being 27 per cent. The number of milk specimens received increased by 14,477, or 49 per cent. over the previous year. This is undoubtedly due to the legislation passed relative to pasteurization. The introduction of the phosphatase test as a means of determining the effectivity of pasteurization has provided an accurate means of assuring such supplies have been pasteurized.

Table II outlines the number of specimens examined in each of the Divisional Laboratories for the years 1935-1939, inclusive.

TABLE II

NUMBER OF SPECIMENS EXAMINED IN EACH OF THE LABORATORIES FROM 1935-1939 INCLUSIVE

	1935	1936	1937	1938	1939
Toronto	214,755	224,564	244,612	267,580	288,791
London	75,213	75,207	87,794	95,733	103,957
Ottawa	56,468	56,786	59,755	67,945	68,806
Fort William	18,666	24,137	30,014	39,658	41,046
North Bay	8,411	11,773	27,249	35,000	44,213
Kingston	20,723	20,072	22,008	27,943	29,019
Sault Ste. Marie	11,926	11,805	12,225	13,977	17,700
Peterborough	8,893	9,175	9,058	9,307	8,008
	415,055	433,519	492,715	557,143	601,540

It will be noted from the above table that the diagnostic work in the Division of Laboratories has increased by 186,485 specimens during this four-year period. Not only has the work increased during this period, but the technical nature of the work has been changed in many instances. The introduction of pneumococcus typing; quantitative test for evaluating the efficacy of treatment in specific infection; and the grouping of streptococcal strains; are a few of the many changes which have been made.

Rabies:—Rabies infection had not been detected by any of our Laboratories from the year 1930 until 1938, when one case was diagnosed. During the past year 41 heads have been submitted to the Central Laboratory. Negri bodies of rabies were demonstrated in 12 instances. Microscopic test was confirmed by animal inoculation test, using both the rabbit and mouse as the test animal.

Since the declaration of war, our Laboratories have endeavoured to assist the Militia, inasmuch as the Administration has made available our diagnostic service. This has affected all our Laboratories to a certain extent, but particularly the London, Ottawa, Kingston and Central Laboratories. The Central Laboratory, in addition to offering the facilities of the routine diagnostic service, is also preparing and distributing Typhoid Paratyphoid Vaccine as required for the Militia.

Table III outlines the number of pneumococcus typings performed in the Central Laboratory in Toronto and also states the type of specimens on which the typing test was made.

TABLE III

INCIDENCE OF PNEUMOCOCCUS TYPES IN 2,337 VARIOUS SPECIMENS (JANUARY 1, 1939, TO DECEMBER 31, 1939)

TYPE	Sputa	Throat Swabs	Pleural Fluid	Swabs Mastoid and Ear	Spinal Fluids	Miscellaneous
1	108	1	12	5	....	....
2	87	1	4	3	2	....
3	155	5	2	11	1	....
4	44	1	1	....	....	1
5	36	....	1	2	1	....
6	42	....	....	....	....	....
7	45	1	....	2	....	....
8	77	2	1	1	....	1
9	25	1	....	....	....	....
10	19	....	....	....	....	....
11	34	....	....	....	....	....
12	5	1	....	....	....	....
13	37	....	....	....	....	....
14	8	1	....	....	....	....
15	10	1	....	....	....	....
16	21	3	....	....	....	....
17	31	....	2	....	....	....
18	50	....	....	....	....	....
19	48	....	1	....	....	....
20	28	....	....	....	....	....
21	10	....	1	....	....	....
22	29	....	....	....	....	....
23	26	....	1	3	....	1
24	12	....	....	....	2	....
25	7	....	....	....	....	....
27	4	....	....	....	....	....
28	9	....	....	1	....	....
29	23	....	....	....	....	....
31	15	....	....	....	3	....
32	4	....	....	....	....	....
Horlisch**	11	....	....	....	....	....
Parmer**	2	...	....	....	....	....
Multiple	66	....	....	....	....	....
Negative	859	77	53	83	5	4
Undetermined	43	....	1	....	....	....
	2030	95	80	111	14	7

**This is a type isolated in the Laboratory for which diagnostic serum has been made.

It will be noted in the above table that there are two types other than Types 1-32, namely, Horlisch and Parmer. Both of these as yet unidentified types were isolated in our Laboratory. Serum was prepared from these and it will be noted in Table III that eleven types of the Horlisch and two of the Parmer strains were identified.

Separate reports follow, covering the pathological tissue work, and the activities of each of the seven Branch Laboratories.

I wish specially to mention the happy associations which it has been my privilege to have with the various Directors, the two co-operating Branch

Laboratories, namely at Queen's University, Kingston, and the Institute of Public Health, London, which have given whole-hearted support and co-operation to every suggestion.

In closing, on behalf of the staff and myself, I wish to express appreciation to the Honourable the Minister and the Deputy Minister for their kind consideration.

PATHOLOGY

S. F. Penny, M.D., *Pathologist.*

History:

The Section of Pathology of the Central Laboratories of the Ontario Department of Health was started in July, 1930, to provide tissue diagnostic service to institutions and physicians throughout the Province. From 1930 to 1938 the total specimens examined by this laboratory has increased at the rate of 1500 specimens annually. During 1939 the annual increase was considerably reduced, probably due to war conditions during August, September and October. The last two months of the year showed a resumption of the usual rate.

Personnel:

During 1939 the Section was under the directorship of Dr. S. F. Penny, assisted by Dr. H. Doris Howell. In October, 1938, Dr. Ansley was transferred to the Division of Communicable Diseases. However, he still gives help to the section in a consulting capacity. Dr. W. M. Wilson, after completing a period of training in the autopsy service at the Banting Institute, was given training in surgical pathology in this section from March to July. Dr. M. R. Shaver assisted in the diagnosis during the vacation of the director. Dr. E. L. Barton received part time instruction in surgical and autopsy tissue diagnosis from September to the end of the year. No changes were made in the technical staff. The office staff has been considerably changed during the year, Miss J. Dickinson leaving in February after four years' efficient service in the Department. Miss B. Goodman and Miss I. Wallbridge served in a stenographical capacity for five and eight months respectively, both leaving to be married. Miss T. Ransom replaced Miss Wallbridge for the remainder of the year.

Equipment:

The paraffin and frozen-section technique continued in use, approximately one-third of the specimens being cut by the frozen-section method. A marked improvement in efficiency was obtained by the interchanging of the rooms for frozen-section technique and microscopic diagnosis in November of this year.

Diagnostic Services:

The service of this section of the laboratory includes the tissue diagnosis of surgical and autopsy tissue received from hospitals and physicians throughout the Province. For this a charge of one dollar ($1.00) per tissue, with a maximum of five dollars ($5.00) for autopsies is made. A twenty-four hour service is given for surgical specimens. In many cases of suspected cancer the diagnosis was made and the result wired within a few hours. In 1930 a total of 608 specimens were examined, in 1939 the total was 8679; 8554 of this total were surgical specimens and 125 autopsies. These specimens were received from 230 communities all over the Province. Tissues from Noranda, Que., are examined occasionally, and for these a charge of two dollars ($2.00) is made. Of the total number of specimens received 7.3 per cent. were cancerous.

The autopsy service, which has increased from 9 autopsies in 1930 to 1925 for 1939 consists of a few autopsies done by the Director of the section and his assistants, but to a large extent, consists of autopsy tissues sent in from hospitals or physicians. In a few instances, the Department of Health has authorized the staff of the section to assist coroners by travelling to outlying areas to conduct a medico-legal autopsy.

Dr James Miller, of Kingston, consultant pathologist for the Department, Dr. W. L. Robinson, Pathologist for Toronto General Hospital, and Dr. E. Linnell, Professor of Neuro-pathology continued to give consulting service to the section.

Demonstrations and Papers:

During 1939 several demonstrations of methods in use in the pathology section were given to various groups including the Field Course of the School of Hygiene, and at the annual Christmas meeting of the Laboratory Section of the Canadian Public Health Association. Demonstrations of new clear lacquer substituted for covering tissue sections were made at the Laboratory Section of the Canadian Public Health Association annual Christmas meeting. A paper entitled "Statistical Study of Ten Years' Diagnostic Pathological Service" was delivered by the director and Dr. Howell at this meeting.

The following tables show a statistical comparison of the work of the Section from 1930 to 1939 inclusive. The autopsy cases of 1939 are also analysed.

YEAR	Number of Surgicals	Number of Autopsies	Total Specimens	Total Malignant	Per Cent.
1930	599	9	609	130	21.1
1931	2625	46	2671	422	15.8
1932	3083	50	3113	440	14.1
1933	3652	23	3675	392	10.7
1934	4683	33	4716	563	11.9
1935	5553	44	5597	579	10.3
1936	5919	48	5967	595	9.8
1937	6917	87	7004	589	8.4
1938	8512	146	8658	768	8.8
1939	8554	125	8679	637	7.3

REPORT ENDING 1939

Number of communities served	230
Number of Hospitals served	186
Number of Physicians and Surgeons	3000
Number of Frozen Sections	2532

AUTOPSY CASES FOR 1939

Autopsy Cases	96
Workmen's Compensation Board	16
Animal	4
Mental Hospitals	9
Total Autopsies	125

RICHARDSON LABORATORY, QUEEN'S UNIVERSITY KINGSTON

Professor James Miller, M.D., D.Sc., F.R.C.P. (E), F.R.C.P. (Can.), F.R.S.C., *Director.*

I beg to submit the statistics of the work done in the Kingston Branch Laboratory during the past year. A comparison of the figures with those of 1938 and 1937 shows a steady increase.:

1937	1938	1939
22,034	27,943	29,137

The increase during 1939 has been very largely due to a rise in the figures during the last four months owing to the establishment of military camps in the neighbourhood of Kingston.

The number of typings done in cases of pneumonic infection have nearly doubled. Any one familiar with the Neufeld method will realize this means a great deal of expenditure of time on the part of the staff. The usefulness of the test is, however, undoubted. It has contributed largely to the better control of pneumonia in this part of the province.

The number of milk examinations carried out is diminishing, an indication that the dairies of the district are becoming more skilled in the management of their pasteurization plants.

The routine examinations of the water supplies of Kingston Municipality, of the Penitentiary and of the Royal Military College, have, as before, been carried out in the Department of Preventive Medicine of Queen's University under the superintendence of Professor Wyllie. The co-operation between the two laboratories in this matter has been harmonious and entirely satisfactory.

As in former years I should like to express my gratitude to you, Sir, to the Minister of Health and to Dr. MacNabb for your co-operation and for your willingness to supply us with materials of all kinds.

NORTH BAY BRANCH LABORATORY

A. D. McClure, B.A., *Director.*

I have the honour to submit for your approval a report on the work done in the North Bay Laboratory for 1939. The number of examinations shows an increase of 9,770 over the previous year. This is an increase of approximately 28 per cent. An examination of the figures shows that this increase is due almost entirely to an increased number of blood specimens submitted for serodiagnosis for syphilis. The figures for other types of examinations approximate very closely those for the year 1938.

This increased amount of work has kept the staff very busy and I wish at this time to express my thanks to them for their co-operation and efficiency. Might I also express the thanks of the laboratory staff and myself to Dr. MacNabb and his staff for the aid we have received from them from time to time.

PETERBOROUGH BRANCH LABORATORY

C. B. Waite, M.D., *Director.*

I have the honour to submit my report for the Branch Laboratory, Peterborough, for the year 1939, as follows:

There has been a marked falling-off in the number of bacterial and chemical examinations of milk. There was also a distinct decrease in the smear examinations for gonorrhoea and a lesser decrease in direct examinations for tubercle bacilli.

The decrease in the examinations of milk are undoubtedly due to the introduction of pasteurization on a larger scale, which meant the dropping out of some distributors who were unable to finance pasteurizing equipment. The falling off in examinations of gonorrhoea and T. B. are more difficult to account for.

There has been a large increase in requests for examinations of throat swabs for haemolytic streptococci. We have, at the present time, no means of determining to what group these streptococci belong. This is something which we shall have to undertake very soon.

There appears to have been a rather wide gastro-intestinal infection throughout the late summer and autumn and the result has been an increase in the number of examinations of whole blood specimens for agglutination and also blood culture. Very few of these gave positive results. In many cases the performing of agglutination tests was of no value whatsoever, but when the tube is there for the blood, the doctor apparently thinks he has to fill it up. We in the laboratory do not know anything about the case and perform the agglutination in case it is of any value.

I wish to thank the Director for his ready co-operation and assistance throughout the year.

FORT WILLIAM BRANCH LABORATORY

A. E. Allin, M.D., D.P.H., *Director.*

I have the honour to submit herewith the Annual Report of this Branch Laboratory for the year 1939.

Routine examinations numbered 41,046, an increase of 1,387 examinations, or 3.5 per cent. more than were done in 1938.

One routine examination was added—the Scharer Phosphatase Test on pasteurized milk. 412 of these tests were made.

Pneumococcus typing, so important a year ago, showed only a slight decrease in numbers. This appeared due to less Pneumonia in the area rather than a decreased interest in the test on the part of the profession. Several physicians requested typing, routinely, for the first time.

Only a few sporadic cases of diphtheria, typhoid fever, and vacillary dysentery occurred in the area served by this laboratory. This accounts for the noticeable decrease in the number of examinations for diphtheria and enteric infections.

Examination for the tubercle bacillus continued to be an important part of the work. In addition to the routine smears, cultures were done on approximately two-fifths of the specimens, including sputa, where indicated in the absence of positive smears. A large number of the specimens were from patients in the Fort William Sanatorium who had had repeated negative smears before specimens were submitted for culture. 60.8 per cent. of the positive cultures were reportable at 4 weeks. The accompanying table illustrates the important role culturing played in the examination of the specimens submitted

SMEARS AND CULTURES FOR M. TUBERCULOSIS

Fort William Branch Laboratory, 1939

Examination	Sputa—Submitted for:									Pleural Fluid			Urines			Miscellaneous			Total		
	Smear			Culture			Typing, etc.														
	No.	No. Pos.	% Pos.	No.	No. Pos.	% Pos.	No.	No. Pos.	% Pos.	No.	No. Pos.	% Pos.	No.	No. Pos.	%* Pos.	No.	No. Pos.	%* Pos.	No.	No. Pos.	% Pos.
Smears	647	97	15.0	530	40	7.5	277	5	1.8	40	0	0	75	5	6.7	56	9	16.1	1625	156	9.6
Cultures	....	....	....	365	41	11.2	....	....	....	25	1	4.0	54	5	***9.3	30	4	13.3	**474	51	10.8

*Acid-fast rods.

**31 cultures were contaminated, 52 positive controls were done, and 67 further cultures are not yet ready to report.

***9.3 was also the per cent. positive of 43 guinea pigs inoculated with urine for the presence of M. tuberculosis.

During the year 23,078 outfits were prepared and 22,643 distributed. 7,675 packages of insulin and biologicals were also distributed.

I wish to express my thanks to Dr. A. L. MacNabb, Director of Laboratories, for his unfailing co-operation during the past year.

INSTITUTE OF PUBLIC HEALTH, LONDON

A. J. Slack, Ph.C., M.D., D.P.H., *Director*.

I have the honour to submit herewith the Annual Report of laboratory examinations made during the year 1939 by the Branch Laboratory of the Department located in the Institute of Public Health, London.

Laboratory examinations made during the year numbered 103,957 as compared with 95,733 examinations for the preceding year. This represents an increase of 8,224 examinations or 8.6 per cent. over the total for 1938. Analysis of these figures shows this increase to be spread quite uniformly over the year's work. Some types of examinations show decreases while others are increased, indicating the natural fluctuation in the routine work of a laboratory which conducts a wide variety of examinations. The most marked increases are noted in Pneumococcus typings (116 per cent.), Miscellaneous bacteriology (64 per cent.), Milk examinations (56 per cent.), Pathology (14 per cent.), Blood sugar (13 per cent.), Non-protein nitrogen (5 per cent.), while 683 tests were made on specimens of ice cream during the year. The demand for serological tests on blood and spinal fluid specimens is indicated by substantial increases in this division. The decrease in Kolmer Wassermann reactions is due to the fact that during 1938 this test was replaced by the Hinton test as a routine procedure.

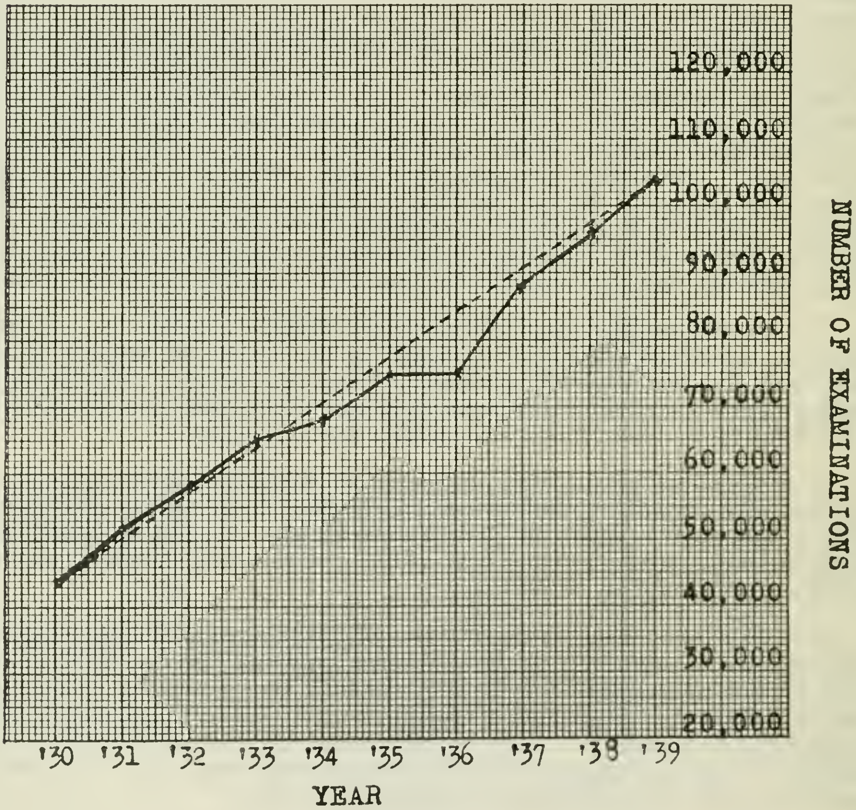
The accompanying graph indicates the steady increase in demand for laboratory work during the last ten years. It shows that the volume of laboratory work has increased 136 per cent. during this decade. The steadily increasing demand for laboratory services is one of the most reliable indications of the value of the laboratory to the district which it serves.

In 1939, 43,650 outfits were reclaimed and prepared for redistribution and 47,732 outfits were distributed as compared with 17,827 outfits reclaimed and prepared and 51,671 outfits distributed during 1938. It may therefore be seen that in 1939 we prepared 91 per cent. of the outfits which we distributed while in 1938 we prepared only 34 per cent.

Dr. E. P. Johns, Chief of the Division of Pathology and Bacteriology of the Institute Staff, was granted "leave of absence" starting July 1st, 1939, to undertake a special investigation for the Department. Dr. Wesley M. Wilson, of the Central Laboratory Staff was likewise granted "leave of absence" by the Department to assume Dr. John's position and duties until his return to the Institute. This interchange of staff is but another example of the close cooperation which exists in the Department Laboratories.

I wish to express appreciation to all the members of the Institute staff for their loyal assistance and to Dr. A. L. MacNabb, Director of Laboratories, for his unfailing co-operation, all of which has contributed toward making 1939 an outstanding year in the history of the Institute.

GRAPH SHOWING ANNUAL INCREASE
IN LABORATORY EXAMINATIONS
MADE BY THE INSTITUTE OF PUBLIC HEALTH
FOR THE ONTARIO DEPT. OF HEALTH
DURING THE DECADE 1930–1939 INCLUSIVE



OTTAWA BRANCH LABORATORY

F. L. Letts, M.B., D.P.H., *Director.*

I have the honour to submit herewith a summary of routine examinations made at this Branch Laboratory during 1939.

The total number is only 860 more than the total for 1938. During the year we have added the phosphatase test for efficiency of milk pasteurization to our routine.

Of the other procedures recently added, we find culturing for tubercle bacilli of great value. Of 708 specimens negative on direct smear we found 12.8 per cent. positive on culture.

During the year, the building of an addition has provided us with an excellent laboratory unit for examination of milk, water, soft drinks, and restaurant utensils.

We are much indebted to Mr. W. E. MacDonald, Waterworks Engineer, Ottawa, and Dr. T. A. Lomer, M.O.H., Ottawa, for labour and material, and to Dr. A. L. MacNabb, Director of Provincial Laboratories, for equipment.

SAULT STE. MARIE BRANCH LABORATORY

N. F. W. Graham, B.A., M.D., *Director.*

I have the honour to report that the work done in this Laboratory during 1939 has been greatly increased over that of 1938. The number of specimens examined in 1938 was 14,080 while this year's report, 1939, shows a total of 17,700. This has been accomplished only by a great deal of overtime for the staff. Request for additional forms for reporting to the central office has established the necessity of stenographic service for this branch.

During the year 1939, the number of specimens received exceeded the previous year by a considerable increase. The increase in the number of specimens received has been largely due to the number of throat swabs from school children and others suffering from an epidemic Streptococcal infection of the nose and throat. For the past five years the number of infections due to this organism has definitely increased. Of the cultures examined 40 per cent yielded a growth of Beta Haemolytic Streptococcal organisms. None of the cases terminated fatally. In most cases no rise of temperature was noted. A few cases had a temperature of 103° to 105°. A few cases presented symptoms simulating Encephalitis and Meningitis. Cerebral Spinal Fluids examined were negative. Other cases manifested enteric disturbances of short duration at the onset. Palor, weakness, dry tongue, red pharynx, with a tendency to strangulation in an effort to clear the throat were the outstanding symptoms.

Examination of milk has shown a considerable increase due to the activity of the local Sanitary Inspector.

The following examination shows numerical increase over last year:

Diphtheria	1091	G. C.	86
Streptococcus	748	Blood Sugar	311
Tuberculosis	112	N. P. N.	6
Blood Culture	2	Milk (Chem.)	664
Spinal Fluid	24	Water (Chem.)	92
Milk (Bac.)	748	Pneumonia Typ	2
Milk Phos	325		

I wish to acknowledge gratefully the assistance given by our Deputy Minister, Dr. McGhie, and also that of Dr. MacNabb, Director of Laboratories.

INDUSTRIAL HYGIENE DIVISION

J. G. Cunningham, B.A., M.B., D.P.H., Director.

During the year there have been further evidences of interest and activity in the health supervision instituted by industry for its employees. The Division was represented on certain committees contributing to this main purpose.

(1) A Committee of the Metal Trades Industry met frequently this year to consider detailed provisions for dust control in foundries and for periodic physical examination of workmen exposed.

(2) A Committee Advisory to the Industrial Hygiene section of the Federal Department of Health recommended a survey of industry in Canada to determine existing industrial medical services, and recommended that the War Supply Board provide for special reference to health supervision in contracts awarded for was materials. These recommendations have been accepted.

(3) A Committee of the Ontario Medical Association on Periodic Physical Examination published in its Association Bulletin a list of references to this subject in its application to industry. This met with considerable response

(4) A Committee of the Canadian Engineering Standards Association is considering Canadian specifications for welders' filter goggles and glasses. The data for a preliminary report were collected here.

At the annual meeting of the Canadian Public Health Association, a session on Industrial Hygiene, occupied with reports of certain industrial medical services existing in the lumber, railway, steel and cotton industries, attracted a good deal of attention.

Under war conditions when raw materials are available, labor becomes the limiting factor in production. All measures are directed to maximum output and it is then better realized that general sickness is even more important than industrial accidents because of the much greater loss of time involved. Prolonged working hours are more likely to decrease production than to increase it, and many other conditions of work assume greater significance. For industrial operations of such a temporary and emergent nature, it is frequently more practical to control a health hazard by medical supervision of workers than by extensive alterations to process and equipment. It was reported that already by a decree published December 15, 1939, the average hours of work in German industries are limited to eight per day, with a maximum of ten hours (overtime included).

Specific Occupational Hazards.

Nearly one-half of the inquiries instituted by the Division into occupational hazards are upon request of industry itself or of physicians or of the factory inspection branch of the Labour Department, the Workmen's Compensation Board and the Accident Prevention Associations. The co-operation of these agencies is appreciated in bringing possible hazards to attention and in facilitating the carrying out of recommendations for their control. Naturally, some of these requests for assistance are readily met while others involve detailed inquiry, using all the resources at our disposal.

The investigations have covered:

(a) Silica exposures in polishing, grinding, sandblasting and china manufacture.

(b) Lead exposure in the manufacture of foundry bronze, lead foils, paint, toys; reclaiming scrap and in mine assay offices which now appear as one of the more important sources of hazard from this metal.

(c) Benzol exposure in the manufacture of rubber shoes, patent leather, rubber cement and lacquers.

(d) Carbon tetrachloride and trichlorethylene exposures in degreasing and dry-cleaning.

(e) A variety of exposures producing cases of dermatitis, such as from chromium in tanneries where there appears no doubt that reduced chromium as the sulphate can produce severe dermatitis; from adhesive paste, exotic woods, morphine and cutting oils.

(f) Miscellaneous inquiries such as arsenic in insecticides, weed killer, and button manufacture; asphalt fumes, hydrogen sulphide in sewers, steel alloys in welding, and explosion from baking oven enamels.

More detailed inquiry has been made respecting the use of carbon tetrachloride by furriers for cleaning; of ethyl mercury phosphate (cerasan) as a disinfectant for seed grain; of chlorinated phenol as wood preservative; of a spray gun for the application of molten lead in automobile body repair; of radioactive compounds for dial painting, of carbon tetrachloride in degreasing machines designed for trichlorethylene.

The factory inspectors of the Department of Labour and of the Accident Prevention Associations are in an increasingly better position to deal with the ordinary health hazards which arise, referring to the Division only those which require technical assistance to determine how extensive the changes for correction should be. To keep the laboratory and clinical investigations within limits, the services of one physician working with these inspectors, are largely given over to the evaluation of suspected hazards, requiring considerable experience if the results are to be at all satisfactory. In the course of this work, two hundred visits were made and twenty-two companies were required under the Factory, Shop and Office Building Act to provide and report to the Division the results of periodic physical examination of workmen exposed to dangerous materials. This involved about fourteen hundred examinations by company physicians, six hundred and forty-seven in lead, one hundred and thirty in arsenic and lead, two hundred and fifty-six in benzol and three hundred and eighty-four in radium. As a result of this supervision no case of serious poisoning has developed in these exposures.

To carry out the special inquiries, the Industrial Hygiene Laboratory has conducted about five hundred chemical determinations in relation to three hundred exposures. This aspect of the work has been restricted to some extent by the chemical facilities needed for the enforcement of the bedding regulations. On the other hand, some local branch factories of American companies have conducted their own inquiry into dust exposures and the best means for their control. About one thousand blood smear examinations have been made to assist in the diagnosis of suspected cases of occupational disease or in the supervision of those exposed. There have been three hundred examinations in factory clinics, four hundred in connection with claims for workmen's compensation for silicosis and a few examinations each in those exposed to benzol, lead, cyanide and radium. In addition, the clinician has issued one hundred and seventy-two certificates for fitness for employment in mines and examined or assisted with others on various Department Boards in nearly eight hundred cases. Chest-X-Ray films of workmen exposed to dust have been referred by many local physicians and from the Provinces of Manitoba, Alberta, Quebec and Nova Scotia and from Newfoundland.

Incidental to the effort to determine the occupational factor is some cases, arise unsuspected conditions. A case of lead poisoning with paralysis developed from ingestion of a cocktail after it had remained in the cocktail shaker for six days. Apparently, it is still important that possible exposure to lead be considered in the differential diagnosis of appendicitis.

Dust Control

The engineering control of dust hazards is facilitated by the provisions in the Factory Act, requiring submission of plans for new factories or for extensions to existing ones. Co-operation with the Department of Labour results in consideration of structural and equipment needs before expenditures are made, in many instances with considerable saving to employers. Dust determinations have been limited to those processes where the degree of exposure was doubtful or for testing the effectiveness of new control equipment. A number of factories have been supplied with detailed plans prepared in the Division for the correction of known hazards, for example, in ore-smelting, aeroplane coating, abrasive manufacture, ore-loading, porcelain enamelling. Special attention continues to be directed to the control of dust in the foundry industry where this year in twenty-five plants detailed recommendations have been made. Employers in this industry have effected very definite improvements and as an organization are still active in this direction. By request, comments have been prepared and forwarded on the proposed codes developed and submitted by the Codes Committee of the American Foundrymen's Association.

One physicist of the Division has been largely engaged for some months upon physical problems in connection with radium for cancer therapy.

The following articles have been prepared and delivered or published during the year.:

"Ontario Gold Mining" and "The Importance of the Clinical Picture in the Diagnosis of Silicosis," presented by Dr. A. R. Riddell, at the Symposium on Silicosis at Saranac Lake, New York.

"Tuberculosis as an Occupational and Compensable Disease from the Standpoint of the Community," presented by Dr. J. G. Cunningham, at the American Hospital Association Meeting, Toronto.

"Industrial Diseases," at the Toronto Chemical Association Meeting, Toronto, by Dr. J. G. Cunningham.

"Silicosis in Industries Other Then Mining," by Dr. J. G. Cunningham, at meeting of Industrial Hygiene Advisory Committee, Federal Department of Health, Ottawa.

"Industrial Hygiene Work in Ontario," by Dr. J. G. Cunningham, published in the Canadian Public Health Association Journal, November, 1939.

"Cutting Oils and Skin Disease," by Dr. F. M. R. Bulmer, at the Convention of the Industrial Accident Prevention Associations, Toronto.

"Industrial Medical Service," by Dr. F. M. R. Bulmer, at the meeting of the Industrial Accident Prevention Association, London District.

"Ventilation," by Dr. F. M. R. Bulmer, given at the Guelph Agricultural College, Guelph, and also at a Convention of Undertakers, Toronto.

"The Nurse in Industry," presented by Dr. F. M. R. Bulmer, at the District Meeting of Nurses, Simcoe.

"The Urinary Sulphate Test in the Supervision of Workers exposed to Benzine," by C. M. Jephcott and F. M. R. Bulmer, published in the Journal of Industrial Hygiene and Toxiocology, April, 1939.

Talks on Radium and X-Rays, by Dr. L. B. Leppard.

Enforcement of Bedding Regulations.

On December 28, 1938, bedding regulations made under The Public Health Act came into force. These regulations among other things require the labelling of bedding and certain types of furniture at the time of manufacture, repair or in the case of second-hand articles, before they are exposed for sale.

Three types of labels are used: "Contains new material only," on a white label for articles containing all new material; "Contains converted material," on a blue label for articles containing in whole or part any otherwise new material which has been dyed or colored but no further manufactured than to be spun into yarn or woven into fabric; and "Contains second-hand material," on a yellow label for articles which have been previously used or contain materials that are second-hand.

It is not the intention of the regulations to grade materials according to utility, durability or price but to protect the consumer from the inclusion of second-hand materials in new articles where inspection without defacement is not readily possible.

The regulations contain adequate provision for dealing with these materials, disposed of following their use in cases of communicable disease or from institutions for the care of the sick or where any unclean or vermin-infested material is involved.

Experience shows that the amount of second-hand materials used in the manufacture of bedding is greatly reduced where bedding laws are adequately enforced and that those jurisdictions having no such laws become the dumping ground for second-hand material.

The detection of second-hand material is not easy and requires in many cases extensive laboratory investigation. No bedding law can be properly enforced without special laboratory facilities. The final grading of all materials is a laboratory procedure, expert opinion being of little value for this purpose in most cases. During 1939, seven hundred and six inspections under the regulations were made. Labels were approved for three hundred and sixteen companies, most of which are located in Ontario or Quebec with some in the United States and England. In the laboratory, two hundred and twenty-six samples of bedding material were subjected to one thousand fourteen hundred and seventy-two tests. In the course of inspection one hundred and seventy-four articles in twenty-nine different establishments were placed "off sale." One renovator and three manufacturers were prosecuted during the year. Three manufacturers were convicted of mislabelling, having used a "new" label on articles containing second-hand material. The renovator was given a suspended sentence for failure to use labels on repaired articles.

The question of revenue for purposes of enforcement, from stamps to be affixed by the manufacturer to the article coming under the regulations, has been thoroughly canvassed. Although supported by the trade, difficulties have arisen in respect to the application of such a measure.

Mr. William L. Smith, bedding inspector, enforcing the regulations enlisted for war service, November 2, and is now overseas. In the meantime, Mr. John Sydney Pye has been appointed to carry on this work.

Fumigation with Cyanide Compounds.

Under the regulations respecting the use of cyanide compounds for fumigation there were issued by the Department, twenty-two household licenses and twenty-three commercial licenses. Of these, one household and three commercial licenses were issued to new applicants.

Five prosecutions for infractions of the regulations were laid and sustained in court for using cyanide for fumigation purposes without a suitable warning gas, for failure to obtain a permit from the local Medical Officers of Health and for failure to use warning signs and guards on the premises to be fumigated. One license was suspended and later cancelled.

Unfortunately, there must be recorded this year, two deaths from the use of these compounds, both in the same house at the same time. The verdict attached no blame for these fatalities to the fumigator.

There have been no new developments to indicate that there are less dangerous substances which could be used to replace cyanide with equal satisfaction. Under provision in the regulations the use of cyanide in low concentrations for disinfestation of greenhouses has been exempted from the requirements respecting license, warning gas and insurance but otherwise is subject to the regulations.

Sanitary Inspection and Medical Care in Unorganized Territory.

The provision of medical services under the regulations respecting camps, works and premises in unorganized territory are the subject of frequent consideration to meet changing conditions in Northern Ontario. Workmen appear to appreciate the arrangement whereby they may provide for sickness and non-industrial accident by a deduction from wages. Employers to an increasing extent are taking an active interest in their ultimate responsibility for medical and surgical care but it is unreasonable to suppose that the difficulties which can arise in connection with the contract medical practice are absent.

The potential liability of both employer and physician for these services in camps with a small number of men is very considerable, although the aggregate of reported sickness in this selected group of the population taken over the country as a whole is not high. The same applies to the total amount of money collected which is at least $300,000 a year but the amount from the men in any one small camp is negligible compared with the risk, for the size of the fund collected. Any method of spreading the cost involves considerable administrative machinery. Contract practice presupposes that the workmen will use the services of the contract physician and when he presents himself directly for treatment elsewhere, the contract physician has no control over the expense incurred, which may be out of all proportion to his revenue.

The arrangement whereby the physician is entirely responsible for hospitalization is not satisfactory and this with some provision for limiting the employer's responsibility where the employee requires care when he is not accessible to the contract physician, are the subject of consideration with the industries concerned at the present time.

Report of the Chief Sanitary Inspector.

This report covers the activities of the six Provincial Sanitary Inspectors responsible for the observance of *The Public Health Act* and regulations made thereunder, particularly the regulations in relation to industrial camps, also the territorial districts without municipal organization.

The work in the Kenora and Geraldton districts has been greatly curtailed owing to the enlistment for military service of two of the inspectors. Capt. A. S. O'Hara, Kenora, is serving with No. 5 Canadian Army General Hospital, Winnipeg, and Staff-Sergeant S. Harris, Geraldton, is in England with the 2nd Field Hygiene Section, First Division, C. E. F. Inspector O'Hara was also on leave of absence from April 15 to June 15, owing to ill-health. Temporary appointments to fill these vacancies were made on November 15th. Mr. D. E. Moore was transferred from the Division of Tuberculosis Prevention to replace Mr. O'Hara in the Kenora District, and Mr. George Powell was appointed to replace Mr. Harris in the Geraldton district. Until the temporary appointments of the two new inspectors were made only urgent matters such as complaints or contagious diseases were investigated and dealt with by the inspectors of the adjoining districts, or through the central office in Toronto.

Three new fields of work were taken over by the staff of inspectors during the past year, namely, investigation under the Bedding Regulations, Fire Prevention under the Fire Marshal's Act, and home investigations of tuberculosis convalescent patients.

Bedding Regulations.

Pursuant to Section 5, clause (zd) of The Public Health Act, the inspectors made 127 investigations in retail stores relative to the proper labelling of articles offered for sale. At the same time, the inspectors carried out an educational campaign relative to these regulations. There was some little difficulty at first by some of the retail merchants in obtaining the necessary information from the manufacturer regarding the grade or quality of stock on hand, particularly where the manufacturer had gone out of business. From the follow-up work carried out to date, it would appear that the retail merchants have welcomed this new legislation and are co-operating to the fullest extent with the inspectors in this work.

Fire Prevention.

In January of this year, the Chief Magistrate of the District of Cochrane, Mr. E. R. Tucker, requested that the Provincial Sanitary Inspectors in Northern Ontario be appointed as assistants to the Fire Marshal, with authority to carry out the Act. With the approval of the Honourable the Minister of Health this authority was granted to all district inspectors within their judicial districts by the Department of Health regulations. This arrangement gave the inspectors authority to make provision where necessary for fire escapes, particularly where two-story buildings are used in mining or other camps, boarding-houses, hotels, etc. This work is carried out at the same time that the inspectors are making other investigations.

Investigations re Convalescent Tuberculosis Patients' Home Conditions.

In co-operation with Dr. G. C. Brink, Director, Division of Tuberculosis Prevention, the inspectors made ten home investigations preliminary to the discharge of convalescent patients from sanatorium to their homes located in unorganized territory, at the same time arranging for necessary assistance when required under The Tuberculosis Prevention Act.

Industrial Camps.

The following statement shows the number of camps and the average number of workmen employed in each industry operating in the unorganized districts during the past year. These figures are prepared from the monthly reports of the industrial contract physicians.

INDUSTRY	No. Operations	No. Camps	No. Men Employed	Average Duration
Lumber and Pulpwood	131	339	22,947	6 mos.
Saw Mills	18	18	1,141	5 mos.
Mining	72	75	9,813	12 mos.
Construction	33	59	4,794	6 mos.
R. R. Extra Gangs and B. B. Camps	8	9	530	5 mos.
Creosoting	1	1	50	
	263	501	39,275	

During 1939, 1113 more workmen were employed than in the previous year, although the number of camps in operation during 1939 was considerably less. This may be accounted for by the number of new and larger camps which were constructed during the last half of the year to meet the increased demand for pulpwood, particularly in the Thunder Bay District.

Saw-Mill Camps.

There were 18 saw-mill camps operating for an average of five months which gave employment to 1148 workmen during the summer months, all located in unorganized territory.

Mining Camps.

There were 72 mining camps operating during the year under the regulations as against 84 in 1938. In the 72 mining camps there were 9,813 workmen employed for one year. This is an increase of 276 workmen employed in the industry over the previous year. More extensive production and milling operations in the larger mines have more than absorbed the number of workmen laid off by the shutting down of the 12 small camps.

Construction Camps.

During the year there were 33 construction operations. This included 59 camps and gave employment to 4,794 workmen for an average of six months on highway construction, bridge building and hydro-line construction camps. These types of camps are frequently of short duration in any one particular camp site, and to a great extent operate only during the summer months. Under these circumstances, the inspectors are required to render close sanitary supervision to avoid the possibility of typhoid fever or dysentery among this group of workmen from such conditions as contaminated drinking water and food supplies, etc.

Employers of labour and the contract physicians have been in close contact with the District Sanitary Inspectors and have given full co-operation in regard to the observance of the revised regulations. Most of the employers realize it is to their interest and that of the industry to provide for the comfort and welfare of their workmen. Many of the employers have adopted a system of medical examination of the workmen before and after employment. From the reports received from the contract physicians, it is evident that 7,989 such medical examinations were made during the year. More consideration is now being given to the placement and adjustment of the workmen and to the type of work to which they are more adapted.

Industrial Contract Physicians.

There were 196 active medical contracts on file during the year. The contracts are divided between 102 contract physicians who employ 24 full time assistant physicians and 8 part-time assistants. In all, a total of 134 physicians were engaged in this work full or part time throughout the year. As reported by the contract physicians monthly the following medical service was rendered to the workmen under the medical contracts.

No. Men Treated	Physical Examinations	Immunizations	Camp Inspection Reports Received
18,357	7,989	1,789	2,450

For the year 1939, there was an increase of over one hundred per cent. in the number of physical examinations reported compared with that of last year.

Two meetings were held in North Bay and Port Arthur in conjunction with the District Medical Association meetings in order that all industrial contract physicians might have the opportunity of discussing their medical problems under the regulations with Dr. J. C. Cunningham, Director of the Division of Industrial Hygiene. The meeting in North Bay, on August 30th, included the Districts of Nipissing, Temiskaming, Cochrane, Sudbury and Algoma; the one in Port Arthur on September 1st, the Districts of Thunder Bay, Kenora, Patricia and Rainy River. On September 2nd in Port Arthur, Dr Cunningham attended a meeting of the lumber operators in the Thunder Bay District in regard to the medical service under the regulations.

Communicable Diseases.

The record of communicable diseases reported shows a slight increase over the previous year. The following statistics are compiled from the industrial physicians' monthly reports.

Measles	4	Septic Sore Throat	5
Tuberculosis	5	Diarrhoea	495
Chickenpox	5	Gonorrhoea	12
Pneumonia	28	Conjunctivitis	45
Impetigo	17	Mumps	1
Syphilis	2	Typhoid Fever	5
Influenza	1887	Herpes Zoster	2
Scarlet Fever	2	Scabies	33
Dysentery	98	Meningitis	2

It will be noted from the above that five cases of typhoid fever were reported during the year. Of these, three cases developed at a highway construction camp in the vicinity of Temagami; the other two cases developed in one of the lumber camps in the area of Hearst. Two cases of meningitis were reported, one from a highway camp in the Temagami area and one from a lumber camp in the township of Afton. Immediately these cases were reported prompt action was taken by the District Inspector who enforced strict quarantine of all contacts. Influenza was more or less epidemic during the first three months of the year, particularly in the camps located in the north-west end of the province. The frequency of dysentery and diarrhoea in many of the camps has been closely investigated by the inspectors and contract physicians and in most instances the illness was of very short duration.

During the year 168 cases of communicable diseases were reported by the local physicians from the unorganized district. In each instance the inspectors had been called upon by the family physician to assist in regard to isolation and quarantine of patients and contacts under the communicable disease regulations.

Sanitary Surveys.

It has been noted from the inspectors' reports that they have been asked to assist the local Boards of Health with respect to milk and water in vestigations and other sanitary problems in these municipalities. During the summer months routine sanitary inspections haye been carried out with very satisfactory results in unorganized towns, villages and communities without municipal organization. These sanitary surveys included schools, tourist camps, hotels, etc. To adequately take care of the unorganized towns and villages with a population of over five hundred persons, it has been recommended by the inspectors that further consideration be given to some provision in *The Public Health Act* for the election or appointment of Sanitary Area Boards who would have authority under the Act to assess and collect money for local sanitary improvements. This authority might be granted along similar lines as for the election of school boards.

CANCER CONTROL

The Government, in addition to supplying radium to the seven cancer clinics, pays eighty-six thousand dollars a year in grants to these clinics to assist in the provision of the most effective means for the treatment of cancer, in order that all who are afflicted may receive treatment apart entirely from their financial resources. The staff and equipment for these clinics are of a high order. The detailed arrangements for recording data upon twenty-one hundred new cases reaching the clinics each year, have been completed. The summary of the first year's experience with these records has been prepared and distributed by Dr. A. H. Sellers, Medical Statistician.

This summary emphasizes again how many patients fail to apply for treatment in the early stages of the disease. The clinics should serve as centres upon which the attention of the public might be focussed in the educational effort to correct this situation. Close association should exist between the cancer committee in the clinic centre and those in the other municipalities of of the district.

The Department has arranged that the Directors of the clinics meet in Toronto periodically for the consideration of mutual administrative problems.

A meeting for discussion of technical procedures is scheduled for June. 1940.

The Department retains affiliation with the British Empire Cancer Campaign and thereby receives its very valuable biennial report of the meeting of experts called to consider the various medical aspects of the subject. The annual report of the British Empire Cancer Campaign covers only reports of research work from the various units affiliated. It is hoped that there will be opportunity for more research in the clinics as treatment progresses.

Distribution of Radium.

Sixty-five mgms. of new radium were purchased during the year and fifteen mgms. of old radium refilled into new containers. This transaction involved additions to, or changes in the radium stock at two of the Government Cancer Clinics—at Ottawa General Hospital and at the Metropolitan Hospital, Windsor, supervised by the physicists of the Industrial Hygiene Division.

(a) *Ottawa General Hospital:*—Five one-milligram radium needles previously held at the Metropolitan Hospital, Windsor, were transferred to the Ottawa General Hospital and in addition six new ten-milligram radium tubes were purchased. This raises the total in use at the

Ottawa General Hospital Clinic from 100 to 165 mgms., a figure which in relation to the number of cases treated, is approximately equivalent to the average for the other clinics. The six ten-mgm. tubes were required to permit economic treatment of lip and cervix cases.

(b) *Metropolitan Hospital, Windsor:*—Of twenty one-milligram radium needles previously held at this hospital, five were transferred as noted above, to the Ottawa General Hospital; the other fifteen were converted with an additional five mgm. of new radium into two ten-mgm. radium tubes. In the techniques developed at the Metropolitan Hospital relatively little use has been found for one-mgm. containers, so that change will definitely increase the usefulness of the radium. The total radium stock at this hospital remains unchanged at 250 mgm.

Distribution of Radium Emanation.

Table I gives the total amount of radium emanation distributed to the seven Ontario Cancer Clinics and to private doctors and hospitals other than Government centres during 1939. The emanation is supplied without charge to the Government clinics for which the service is primarily intended. It is also furnished, so far as the supply permits, to a limited number of qualified private doctors, for use on private pay patients, at the rate of $1 per millicurie, and to a few large hospitals (other than Government clinics), for use on indigent ward patients, free of charge.

Table II presents a comparison of the amounts of radium emanation supplied in the four years, 1936-1939. The total production is up about four per cent. over 1938, and approximately the same as in 1936 and 1937.

TABLE I

EMANATION SUPPLIED 1939

Recipient	Millicuries	Per Cent. of Total	Revenue
General Hospital, Toronto	3862	52.1	Free
General Hospital, London	586	7.9	Free
General Hospital, Kingston	304	4.1	Free
General Hospital, Hamilton	286	3.9	Free
Civic Hospital, Ottawa	696	9.4	Free
General Hospital, Ottawa	10	0.1	Free
Metropolitan Hospital, Windsor	597	8.1	Free
Private doctors, etc	1070	14.4	$750
	7411	100.0%	$750

TABLE II

Year	Total Emanation Supplied	Emanation Supplied to Clinics		Private Doctors		Revenue From Private Doctors	
		Mcs.	% of Total	Mcs.	% Total	Total Revenue	Revenue Per M. C.
1936	7463	5938	77.3	1525	22.7	$569	$0.37
1937	7459	6083	81.5	1376	18.5	604	0.44
1938	7111	5966	83.9	1145	16.1	555	0.48
1939	7411	6341	85.6	1070	14.4	750	0.70

The emanation plant technician, Mr. A. W. Love, a post-graduate in physics has been appointed to this (non-permanent) post in succession to Dr. L. T. Newman.

Radium and X-Rays.

The cancer clinics were visited during the year for the purpose of calibrating the output of X-Ray therapy machines, and of auditing the stocks of Government-owned radium. Several of the clinic directors expressed the desire that this service be given more frequently.

Several months have been spent by Dr. E. O. Braaten in designing and building special equipment for the clinic at the Toronto General Hospital. This included a presswood phantom and various "thimble chambers" to be used in conjunction with a Victoreen electrometer for the measurement of relative depth doses in the radiation fields of both X-Ray machines and the radium bomb. Experiments have also been carried on with a view to reconstructing the 4-gm. radium bomb in such a manner as greatly to reduce the skin dose administered in delivering a given dose at depth. This will greatly enhance the utility of the bomb in which the Ontario Government has an invenstment of approximately $200,000.

Lost Radium.

Three cases of lost radium were reported to the Department during the year, involving respectively 50 mgm., 10 mgm., and 10 mgm. of radium. The radium was in each case located and recovered by officials of the Department using the Geiger-Mueller Detector, built some years ago. This instrument has ably justified its small initial cost, both in its successful recovery of lost radium and in the saving it has permitted the Government to effect by dropping insurance on Government-owned radium. It is, however, desirable that a more portable and more sensitive instrument be constructed to supplant the present detector. Only 10 mgm of the lost radium belonged to the Government.

The report of the medical statistician on Cancer follows on page 191.

THE FOURTH ANNUAL STATISTICAL REPORT ON CANCER*

CALENDAR YEAR 1939

This report—the fourth annual statistical report on cancer—includes a review of important developments during the calendar year 1939, a discussion of the highlights of the cancer mortality picture, and brief references to the noteworthy statistical studies during the period. An analysis of the work of the Cancer Centres during 1939, and some information on previous treatment and duration of symptoms together comprise the major part of this report.

CANCER CLINIC STATISTICS

The new case-recording plan in effect in the seven Ontario Cancer Centres, discussed at some length in earlier reports, has proven eminently satisfactory. Certain difficulties in recording have persisted but those may be expected to be eliminated since they concern largely modifications in practice and adjustments in follow-up machinery. Arrangements provide for the temporary transfer of the follow-up cards of all *new* patients admitted to the clinics since January 1st, 1938, to the Department during February of *each* year. This machinery makes possible a review of the cards to assure their completeness in the form required, having clearly in mind the chief ultimate objectives which call for a study of such elements in cancer control as: nature of symptoms and their duration, delay in diagnosis and treatment, nature of previous treatment (especially in recurrent cases), stage of disease when treatment is begun and results of treatment. The plan also allows an annual central compilation of information on all new cases admitted to the Centres and facilitates the making of suggestions re future case records. Since the cards submitted cover *preceding* years as well as the calendar year just preceding, an assessment of treatment experience and the completeness of follow-up can be made.

In 1939, a general review of all new cases admitted to the Centres during 1938 was undertaken by the Division of Medical Statistics. Data on age, sex, site of disease, place of residence, histological diagnosis, stage of disease, method of treatment, recurrent cases, untreated cases, etc., were included as well as statistics on stages in cases admitted during the years 1934-1938. The findings of this study were embodied in a forty-page Cancer Review which has proven to be valuable not only to the Centres themselves and to those actively interested in therapy, but also to those responsible for educational efforts in the cancer field. The highlights were incorporated in the Third Annual Statistical Report on Cancer (1938).

While the Cancer Review for 1938 did not include any reference to duration of symptoms, nature of previous treatment and other ancillary facts, the necessary information is available for study. Such annual reviews on cancer will be issued at intervals, detailed analysis of survival following treatment being deferred at least until 1942, at which time some preliminary figures on three-year survival rates can be expected.

The history and examination forms introduced into the seven Cancer Centres in 1937 were reviewed late in 1938 in order to consider their adaptation to clinic needs. A revision was completed during 1939 and in addition special forms were devised for gastro-intestinal cases (exclusive of oesophagus and rectum). The new schedules have proven superior to the old from the clinical standpoint. With revision of these schedules a new Memorandum on Recording was issued in March, 1939, incorporating important new features for those responsible for clinic records and covering all details pertinent to procedure in clinical recording and follow-up.

---

*Prepared by the Division of Medical Statistics, Ontario Department of Health.

CANCER MORBIDITY STUDIES

During 1938 a study of all cancer cases treated in Ontario public general hospitals during 1937, was initiated by the Division of Medical Statistics. Transcription of the information from the monthly returns submitted by each hospital to the Department's Division of Hospitals has been completed and 12,000 records are now ready for tabulation. Patients with cancer and benign tumours as well as certain non-neoplastic conditions are included. Age, sex, residence, diagnosis, length of stay and "type" of patient are recorded for each case. Preparations have been made for analysis of these data, and it is expected that a report thereon may become available during 1940.

While the importance of cancer as a cause of hospitalization is generally appreciated, a *measure* of the actual scope of the problem in terms of hospital days and cases has only recently become available—through a morbidity survey undertaken by the Division of Medical Statistics in the Department and covering all discharges and deaths for a three-month period. Limited though this survey is in point of time covered, even the brief extracts from the findings of this work given on pages 54 to 56 of this Report indicate that cancer is an important cause of hospitalization. Excluding pregnancy and childbearing it ranks third only to appendicitis and accidental injuries in both cases and days of care—being responsible for 5.1 per cent. of *all* days of care among patients discharged or dying during the period.

One of the greatest present needs in the field of cancer control—be it in the realm of education, in any discussion of facilities required or in ascertaining the precise scope of the problem—is a reasonably accurate picture of the incidence and prevalence of cancer in any community. Mortality data, while of definite value, have many limitations and the present need could never be met by such information in any case.

Many estimates of the number of persons alive with cancer and needing treatment at any one time, are on record. These vary from 1.5 to 4 cases per death. By reason of great variations in case fatality among the various sites, however, the distribution of deaths bears no relationship to *cases* and no reasonably accurate conception of the frequency of cases by site can be deduced from mortality figures. Variable factors such as certification, extent to which cases are effectively treated, etc., make this clear.

In the first statistical report on cancer (1936), a very crude effort was made at estimating the number of cases. While it was concluded then that there were *at least three cases alive at some stage of the disease and needing treatment during any one year*, for every two recorded deaths, the data employed were not such as to justify much confidence. Estimates made from deaths are no longer accurate unless correction is made for "cures." This, however, cannot be done accurately because we do not know the number of patients to whom curability rates should be applied.

The Middlesex County Cancer Survey.

Attention has been drawn in earlier reports to a realization of the need for information as to the number of patients who are alive with cancer during a given period (prevalence) and also the number of new cases diagnosed each year

FIGURE I.

CANCER CASE SURVEY—MIDDLESEX COUNTY—1939

ALL CANCER CASES (including probable Cancer)—SEEN, OBSERVED OR TREATED AT ANY TIME FROM JANUARY 1st TO DECEMBER 31st, 1939

ALL INFORMATION IS CONFIDENTIAL AND WILL BE USED FOR STATISTICAL PURPOSES ONLY.

NAME OF PATIENT To be used only for checking of duplicate cases		RESIDENCE Not P.O. Address Give city, town, village or township	SEX	AGE on Jan. 1st 1939	S. M. W. D.	Date First Seen with Cancer		SITE OF CANCER			Date Last Treated For Cancer (State if not treated)		Date Last Seen (Include cases still followed up but no longer treated)		Condition When Last Seen		Alive Jan. 1st 1940 Yes or No	Micro-scopic Diag-nosis Yes or No	Type of Cancer
								Primary Site (If a skin case, state "Skin of ")	Other Sites Involved (even if treated by surgery X-ray or radium)										
Surname	Given Names					Mo.	Yr.		Glands	Other	Mo.	Yr.	Mo.	Yr.	Free from Cancer	Alive with Cancer			
Sample: McCarthy	Charles, Mrs. (Mary)	London	F	39	M	Feb.	37	Breast	Axillary	None	Nov	37	Oct	39	√		Yes	Yes	Adenocarcinoma
1.																			
2.																			
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			
11.																			
12.																			
13.																			
14.																			
15.																			
16.																			
17.																			
18.																			

EXPLANATORY NOTES

1. Report every case even though the patient is now dead, is receiving treatment elsewhere or is in hospital.
2. Report every case even though only referred for consultation, diagnosis or follow-up.
3. Report every case which you saw or treated prior to 1939 but which reported to you or was seen by you during 1939.
4. If you have seen no cancer case for diagnosis, treatment or follow-up during 1939, write NO CASE across the form and return it to the Ontario Medical Association in the envelope provided.

Signature M.D.

Address

1M—X co. 1939.

(incidence). After consideration of the problem extending over a period of two years, it was decided to undertake a case survey. The guiding principles laid down as the basis of the survey were:

1. The survey should begin by covering a relatively small portion of the province so that difficulties not at first appreciated could be ascertained before the survey was extended.

2. The area in which the survey was initiated should be one in which the population structure was fairly representative in respect to urban and rural sections, various economic strata, etc.

3. Since work in the course of the National Health Survey (U.S.A.), 1935-36, has shown that data on cancer incidence and prevalence derived from house-to-house canvasses could not be depended upon, it was clear that the survey should be limited to known or diagnosed (clinically or otherwise) cases of cancer and that the survey should be conducted with the co-operation of and entirely through the medical profession and the hospitals in the area surveyed.

4. Since the number of known cases in relation to deaths depended upon the extent and quality of medical and hospital facilities in the areas surveyed, it was essential that the area selected should be one on which these were both of a high standard and accessible to all the population surveyed.

5. There was no point in including precancerous conditions in the survey.

6. Having in mind the importance of simplifying the procedure as much as possible, the survey should be retroactive and cover a period of one calendar year. Items required regarding each case reported upon should be limited to essentials—name, address, age, sex, date, diagnosis, site and extent of disease, type of cancer and date and condition when last seen.

With these principles in mind, the County of Middlesex was selected. Here the population is representative, with satisfactory population structure and adequate hospital facilities, medical care of a high order and a centrally located Cancer Institute, all readily accessible to all persons.

The Department sought and obtained the co-operation of the Cancer Committee of the Ontario Medical Association and arrangements were concluded whereby the survey was to be conducted jointly. Co-operation of the two local medical societies in the area was secured and a schedule prepared by the Division of Medical Statistics (Figure I). This schedule provides identifying data and information on site and extent of disease, confirmation of diagnosis by biopsy, type of cancer, date of diagnosis and condition of patient at last contact.

The approach to the profession and the hospitals was made on December 29th, by the Cancer Committee of the Ontario Medical Association and all returns are to be made to them. Analysis of the returns will be undertaken by the Division of Medical Statistics of the Department. All defective returns or returns not made will be followed up so that the coverage will be fairly complete.

Reports are being sought on all patients with cancer (or probable cancer) seen, observed, or treated in private practice, hospital or clinic during the calendar year, 1939. While of necessity such a survey is limited to known or diagnosed cases, this is not a serious restriction since practically nothing is known as yet concerning cancer incidence and to include other cases (suspected cancer, pre-cancer, etc.), would be undesirable for many obvious reasons.

This survey may be extended to other areas of the province should the findings be such as to encourage such a step. This is the first survey of its kind in Canada and it is to be regarded as a fair effort to extend our present limited knowledge of the incidence and prevalence of cancer in the community.

CANCER MORTALITY

Cancer, as a cause of death, has received considerable attention. This attention has been focussed on the *volume* of deaths, data on which for the past 20 years are given in Table A.

TABLE A
RECORDED CANCER MORTALITY
ONTARIO, 1919–1938

YEAR	Total Deaths All Causes	Cancer Deaths	Per Cent. of Total Deaths	Crude Death Rate
1919	34,010	2,182	6.4	76.5
1920	40,440	2,464	6.1	85.2
1921	34,551	2,585	7.5	88.1
1922	34,034	2,609	7.7	87.5
1923	35,636	2,724	7.6	89.9
1924	33,078	2,946	8.9	96.2
1925	33,960	2,951	8.7	95.1
1926	35,909	3,116	8.7	99.0
1927	34,775	3,177	9.1	99.7
1928	37,128	3,441	9.3	106.8
1929	38,123	3,402	8.9	104.0
1930	37,313	3,635	9.7	109.7
1931	35,705	3,726	10.4	108.6
1932	36,436	3,825	10.5	110.1
1933	35,301	4,044	11.5	114.7
1934	35,105	4,034	11.5	113.2
1935	36,317	4,214	11.6	117.1
1936	37,571	4,441	11.3	120.4
1937	38,475	4,527	11.8	122.0
1938	36,890	4,472	12.1	119.9

A slight reduction in the total recorded cancer mortality occurred in 1938. However, these data illustrate *merely* the persistent increase in *total deaths attributed to cancer.* This may be far from the truth—but the facts are that limited though these data are, the volume of deaths is evidently substantial.

Site of Disease—Variation in organ incidence is important in any interpretation of the problem as it exists and in relation to what control can be exercised with available facilities. A five-year distribution of the *recorded* cancer deaths by site and sex is given in Table B.

TABLE B
CANCER DEATHS BY SEX AND SITE
ONTARIO, 1934–1938

SITE	MALES		FEMALES		BOTH SEXES	
	Deaths	Per Cent. Of Total	Deaths	Per Cent. Of Total	Deaths	Per Cent. Of Total
Stomach and Duodenum	2,644	26.1	1,623	14.0	4,267	19.7
Other Digestive Tract	3,224	31.8	3,515	30.4	6,739	31.0
Genital Organs	1,179	11.6	2,436	21.1	3,615	16.7
Breast	26	0.3	2,284	19.8	2,310	10.6
Buccal Cavity	644	6.3	149	1.3	793	3.7
Urinary Organs	732	7.2	352	3.0	1,084	5.0
Respiratory Organs	566	5.6	268	2.3	834	3.8
Skin	271	2.7	171	1.5	442	2.0
Other or Unspecified Sites	857	8.4	767	6.6	1,624	7.5
ALL SITES	10,143	100.0	11,565	100.0	21,708	100.0

More than half of all deaths attributed to cancer are those of the digestive tract and peritoneum (including oesophagus, stomach and duodenum, rectum, liver and pancreas, etc.,) The influence of sex on site predilection in cancer deserves emphasis. In Ontario, breast cancer ranks first in numerical importance among women while in males cancer of the stomach stands first. The ratios of male to female mortality present the principal variations.

Cancer cases which are particularly amenable to treatment with reasonable chance of cure, namely, cancer of the female genital organs, breast, buccal cavity, and skin, constitute about 28 per cent. of all deaths classed to cancer. It is especially noteworthy that this group contributed 43.7 per cent. of female cancer deaths in 1934-38. Upon these cases our interest and attention must be focussed, because it is for these sites particularly that success, in early cases especially, has been achieved with recognized methods of treatment.

Cancer as a Cause of Death at Selected Ages—Of interest in interpreting the problem is the relative importance of cancer as a cause of death at ages (Table C)

TABLE C

CANCER AS A CAUSE OF DEATH BY AGE

ONTARIO, 1938

AGE GROUP	Cancer Deaths	Per Cent. of All Deaths	Rank as a Cause of Death	Specific* Death Rate	Per Cent. of Cancer Deaths
0–19	44	0.9	....	3	1.0
20–49	667	12.1	Fourth	41	14.9
50–59	845	19.5	Second	247	18.9
60–69	1,181	18.3	Second	528	26.4
70 and Over	1,735	11.3	Third	1,128	38.8
ALL AGES	4,472	12.1†	Second	119.9	100.0

*Per 100,000 population.
†Total deaths in 1938 were 36,890.

Cancer does not become an important factor in mortality until after the age of twenty years. At ages 20-49 years cancer is exceeded in importance *only* by deaths from "external causes," tuberculosis and diseases of the heart. The bulk of cancer deaths occurs at ages 50 and over (84.1 per cent.). At ages 50-69 years almost one death in every five is a death from cancer, only heart disease exceeding it. The specific death rates increase markedly with increasing age. At ages 50-59 years the mortality rate for cancer is only half what it is at ages 60-69 years and the rate in the latter period is just half the rate for ages 70 and over. It is a pertinent fact, however, that 34.8 per cent. of the recorded cancer deaths in Ontario during 1938 were among persons under the age of 60 years and 15.9 per cent. among those under 50 years of age.

The specific death rate from cancer rises precipitately with increasing age as was pointed out in the second annual statistical report on cancer (1937—page 160). Nevertheless, sight must not be lost of the fact that the risk is significant at ages under 60 and even under 50 years.

Deaths from Cancer of Accessible Sites at Ages under 70 Years.

Particular concern is attached to deaths attributed to cancer at ages under 70 years, especially those of accessible sites—for which group measures offering substantial hope are now available. Table D gives some data on this group.

TABLE D

"ACCESSIBLE" CANCER MORTALITY AT AGES UNDER 70

ONTARIO, 1938

SITE	MALES		FEMALES	
	Deaths	Per Cent.	Deaths	Per Cent.
Oral Cavity	65	5.5	14	0.9
Breast	1	....	367	23.7
Uterus	0	....	291	18.8
Skin	14	1.2	11	0.7
TOTAL	80	6.7	683	44.1
Other Sites	1,107	93.3	867	55.9
ALL SITES	1,187	100.0	1,550	100.0

In 1938, a total of 1,117 deaths were attributed to cancer of accessible sites (oral cavity, breast, uterus and skin) This is 25 per cent. of all cancer deaths. Of these 763 or 68 per cent. were under 70 years and 503 or 45 per cent. (11 per cent. of all cancer deaths) were among persons under 60 years of age.

While these figures may not at first sight loom very large, they serve to assist in delineating the problem. They show for example that a very important contribution can be made *even now* in female cancer—44 per cent. of the cancer deaths at ages under 70 years being cancers of accessible sites. In males, the picture is definitely *not* so bright. Only 6.7 per cent. of all cancer deaths at these ages were due to cancer of "accessible" sites, while over half (58 per cent.) were cancers of the digestive tract.

NEWER STATISTICAL DATA

Three important contributions have recently been made to the accumulating statistical data on cancer. Most important on the mortality side is the work presented in the Registrar General's Decennial Supplement for England and Wales (Part III (*a*)—Occupation—1931).

In this study the standardized cancer mortality ratios (S.M.R.'s) by social class (I to V) are included for married and single women as well as for occupied and retired males. Here it is shown that the class gradients for cancer of the upper alimentary canal (buccal cavity, oesophagus and stomach) for males and married females are similar, the S.M.R.'s increasing as the social scale is descended. Hence the factors responsible for the gradient are almost as effective among the wives of men engaged in the various occupations forming the social classes as among the men themselves. It is concluded that these factors are connected to a greater degree with general economic circumstances, home life or dietaries associated with occupations than with the occupations themselves.

For cancer of the larynx no significant gradient is shown for married women, hence the marked male gradient may be directly associated with occupation. In cancer of the skin, married women show a class gradient similar to males (S.M.R.'s following the same pattern as in upper alimentary cancer) showing that peculiarities of occupation are not the *only* factors concerned.

An important fact revealed for the first time is the regular gradient of mortality from uterine cancer from 65 in class 1 to 130 in class V. Among married women the rates are markedly in excess of those for single women. The similar gradient in cancer of uterus mortality in single women by social class seems to suggest that factors closely bound up with social class which are productive of uterine cancer, other than pregnancy and childbearing, must exist.

The sites in which cancer mortality is highest in classes I and II and lowest in IV and V, (i.e., the reverse of upper alimentary cancer, skin and uterus) include breast, ovary, testes. In ovary and breast the gradient is striking (138 to 82 and 143 to 83). In ovarian cancer a lesser gradient in single women suggests that fertility may be a factor. In cancer of the breast, single women show much higher mortality than married women, as with cancer of ovary. The gradient with social class in married women is much more marked than for single women. The combined rates for the two sites, uterus and breast, still show an appreciable gradient by social class. Perhaps marital condition and parturient history help to determine which site will be affected.

Using Ontario data, it has already been shown that the excess mortality from cancer of uterus among married women over single women is striking. In breast and ovaries the reverse is true.

The series of articles published by Dr. Percy Stocks in the annual reports of the British Empire Campaign have indicated the nature of certain geographic variations in cancer mortality by site. The precise meaning of these variations is doubtful but they are of a significant order and direct attention to further fields of inquiry.

The first real attempt to learn something about the incidence and prevalence of cancer was undertaken by the Division of Public Health Methods in co-operation with the National Cancer Institute in the United States. This undertaking, designed to cover a wide area, is concerned with determining the number of living persons who have cancer. The study covered *all* cases seen, treated or observed during a calendar year. The first report on the work appeared in 1939. The procedure was similar to that to be employed in the Middlesex Cancer Survey described above.

The striking finding reported is that "the number of cases alive at any time during the year per recorded death, was 5.3." This figure includes all "cases" reported as under observation or treatment and does not appear to mean a prevalence of this rate and certainly the *incidence* (new cases each year) is *not* at such a level. Sixty per cent. of female cases were of skin, cervix and breast. In males, buccal cavity and skin made up 55 per cent. of all "cases."

Sufficient data are not as yet available to assess the precise significance of the findings. Division of reported cases into (*a*) new cases during the year, (*b*) old cases still under treatment and (*c*) cases under observation only, is essential. Ratios of cases to deaths by site are also important. Data such as these are important in developing a satisfactory program and it is expected that the Middlesex Cancer Survey will demonstrate much in this respect.

THE WORK OF THE CANCER CENTRES DURING 1939

The following report presents an analysis of the work of the Cancer Centres during 1939, together with certain supplementary studies based on the case records. The tabulations throughout were made by the Division of Medical Statistics from data available on the "follow-up cards" submitted by the seven Centres.

In Table I is given a summary of the volume of new cases for each clinic during the calendar year 1939.

TABLE I

NEW CASES ADMITTED BY CENTRE

CALENDAR YEAR 1939

Centre	New Cancer Cases						Non-Cancer Cases†	Total New Patients Treated
	On Record			Treated*				
	Private	Public	Total	Private	Public	Total		
Hamilton	268	108	376	266	108	374	389	763
Kingston	130	55	185	129	55	184	325	509
London	77	76	153	76	67	143	138	281
Ottawa (C)	184	106	290	175	92	267	230	497
Ottawa (G)	56	73	129	51	64	115	113	228
Toronto	503	512	1,062‡	503	512	1,015	529	1,544
Windsor	146	49	195	136	33	169	131	300
Total	1,364	979	2,390‡	1,336	931	2,267	1,855	4,122

*Treated by any method or combination. Includes cases treated by surgery alone, but excludes palliative surgery.

†Non-malignant tumours and non-neoplastic diseases.

‡Including 47 cases not treated which are not included in "Private" and "Public" columns.

A total of 2,390 new cancer patients were *admitted* during the year (i.e. presented themselves for treatment). This is an increase of 186 over the previous year. All but 123 or 5.1 per cent. received some form of treatment. In addition, 1,855 patients were treated for benign tumours or non-neoplastic conditions. This is an increase of 275 or 17.4 per cent. Difference in the criteria distinguishing private from public cases for purposes of record may be responsible for the observed variation in the ratio of private to public cases from one Centre to another. Public cases comprised 41 per cent. of the total number of new cancer cases treated during the year.

The distribution of the 2,390 new cases *admitted* to the seven Centres during the year, by site of disease in broad groups, is given in Table II.

TABLE II

NEW CANCER CASES ADMITTED—BY SITE OF DISEASE

CALENDAR YEAR—1939

CENTRE	Breast		Uterus		Oral Cavity		Air Passages		Rectum		Other Sites		TOTAL	
	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Private	Public
Hamilton	72	18	29	27	24	11	6	2	5	3	132	47	268	108
Kingston	21	8	8	6	29	6	5	1	2	3	65	31	130	55
London	18	9	9	14	15	7	0	2	3	1	32	43	77	76
Ottawa (C)	32	13	7	22	29	16	4	0	3	5	109	50	184	106
Ottawa (G)	12	10	4	8	3	14	3	1	3	1	31	39	56	73
Toronto*	91	86	38	89	83	104	7	16	4	2	280	215	503	512
Windsor	30	4	14	4	18	4	1	1	9	2	74	34	146	49
Total	276	148	109	170	201	162	26	23	29	17	723	459	1,364	979
Total by Site†	431		285		366		50		49		1,209		2,390	
Per Cent	18.0		11.9		15.3		2.1		2.1		50.6		100.0	

*Not treated cases excluded—breast 7, uterus 6, oral 3, air passages 1, rectum 3, general 27; Total 47.

†Toronto Clinic not treated cases are included here.

A total of 431 breast cases and 285 uterus cases were admitted during the year. Breast, uterus and oral cavity comprised 43 per cent. of private cases and 50 per cent. of public cases.

A comparison of the volume of new cancer cases treated by radiotherapy (alone or in combination with surgery or other methods) in each Centre during the three years 1937 to 1939, is given in Table III.

TABLE III

NEW CANCER CASES TREATED BY RADIOTHERAPY*

1937-1939

Centre	Private			Public			Total		
	1937	1938	1939	1937	1938	1939	1937	1938	1939
Hamilton....	189	233	265	77	69	108	266	302	373
Kingston....	153	135	129	45	48	55	198	183	184
London........	72	80	75	55	64	64	127	144	139
Ottawa (C)	148	159	172	85	81	85	233	240	257
Ottawa (G)	30	44	41	34	40	55	64	84	96
Toronto......	505	498	501	470	477	509	975	975	1,010
Windsor......	108	99	133	28	31	33	136	130	166
Total	1,205	1,248	1,316	794	810	909	1,999	2,058	2,225

*Alone or in combination with surgery or other methods. Cases treated by surgery alone and cases not treated are excluded.

The total number of new cancer patients treated by radiotherapy in 1939 was 2,225, an increase over the previous year of 167 or 8.3 per cent. Important increases in case volume are noted for Hamilton and Windsor, these two Centres together contributing two-thirds of the total recorded increase. Kingston and London showed little change while Ottawa and Toronto registered slight gains.

A summary of the new cases *admitted* during the year by site of disease is given in Table IV, the number recorded as alive at December 31, 1939, being shown in each case.

TABLE IV

TOTAL NEW CASES TREATED DURING 1939 BY SITE

Site of Cancer	Private		Public		Total		Grand Total	
	Alive†	Dead	Alive†	Dead	Alive†	Dead	Number	Per Cent
Breast	255	17	130	16	385	33	418	18.4
Cervix Uteri	67	9	120	16	187	25	212	9.4
Body of Uterus	28	4	23	5	51	9	60	2.6
Lip	143	1	73	2	216	3	219	9.6
Tongue	10	4	21	1	31	5	36	1.6
Other Oral‡	39	4	53	8	92	12	104	4.6
Air Sinuses	4	0	2	3	6	3	9	0.4
Larynx	2	3	4	3	6	6	12	0.5
Other Air Passages	13	4	9	1	22	5	27	1.2
Rectum and Anus	19	7	11	4	30	11	41	1.8
Skin	412	11	164	8	576	19	595	26.3
Vagina	1	0	4	0	5	0	5	0.2
Ovary	29	9	20	0	49	9	58	2.6
Bone	9	5	19	1	28	6	34	1.5
Other Dig. Tract	15	8	19	13	34	21	55	2.4
Other Sites*	162	42	143	35	305	77	382	16.8
Total	1,208	128	815	116	2,023	244	2,267	100.0

†As at December 31, 1939 (reported). ‡Including tonsil.

*Comprising leukaemia, Hodgkin's disease, etc.

It is not to be assumed that the first year mortality as shown is accurate for two reasons: (*a*) because some of the patients are exposed to the risk of death for a full year, others for perhaps only a week, and (*b*) because awareness of deaths occurring in outside centres may be delayed. Subsequent experience on a life table basis will yield a true picture.

The data indicate that 72.5 per cent. of the cases presenting themselves for treatment had cancer of those sites particularly amenable to radiotherapeutic treatment (breast, uterus, oral cavity and skin). This compares with 72.1 per cent. during 1938. There is little change in relative site distribution compared with the previous year. The large number of case records on patients with "inaccessible" cancer is of interest and some importance in view of the need for data on the after-history of this whole group.

Among males, "accessible" cancers contributed two-thirds of new cases admitted while among females these sites (breast, uterus, oral cavity and skin) were responsible for more than three-quarters of the new cases. These figures offer striking comparisons with the percentage of all male and female cancer *deaths* respectively, which are attributed to the "accessible" sites.

New Cases Treated—By Site and Centre of Treatment.

The distribution of the new *treated* cancer cases during 1939 by Centre and site of disease is given in Table V.

TABLE V.

NEW CANCER CASES TREATED‡ BY SITE, CENTRE AND STATUS

CALENDAR YEAR—1939

SITE OF CANCER	Hamilton		Kingston		London		Ottawa (C)		Ottawa (G)		Toronto		Windsor		ALL CENTRES		
	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Total
Breast	72	18	21	8	18	8	29	13	12	9	91	86	29	4	272	146	418
Cervix Uteri	19	19	4	6	6	9	5	16	4	8	25	75	13	3	76	136	212
Corpus Uteri	10	8	3	0	3	3	2	2	0	0	13	14	1	1	32	28	60
Lip	15	3	24	3	7	4	22	7	2	7	63	48	11	3	144	75	219
Tongue	0	2	1	0	2	1	2	1	1	4	5	14	3	0	14	22	36
Other Oral*	9	6	4	3	6	1	5	6	0	2	15	42	4	1	43	61	104
Air Passages†	6	2	5	1	0	2	4	0	3	0	7	16	1	1	26	22	48
Rectum	5	3	2	3	3	1	2	4	2	0	4	2	8	2	26	15	41
Skin	70	19	45	17	18	23	66	13	11	12	181	81	32	7	423	172	595
Ovary	7	2	3	1	1	1	3	1	1	1	17	14	6	0	38	20	58
Other Sites	53	26	17	13	12	14	35	29	15	21	82	120	28	11	242	234	476
TOTAL	266	108	129	55	76	67	175	92	51	64	503	512	136	33	1,336	931	2,267
CLINIC TOTALS	374		184		143		267		115		1,015		169		2,267		......

*Includes tonsil, buccal surface of cheek, etc.

†Includes air sinuses, larnyx, pharynx and nasal fossae.

‡By radium, X-ray or surgery, or any combination of those three.

Of the total new *treated* cases, the breast constituted 18.4 per cent., the uterus 12.0 per cent., buccal cavity 15.8 per cent., and skin 26.3 per cent. These four groups together made up 72.5 per cent. of all treated cases. Substantial variations exist between the several Centres, the reasons for which are somewhat obscure. The differences in the ratio of cervix to corpus uteri cases from clinic to clinic are remarkable. For all clinics combined, the ratio is 3.5 to 1. Evidently no conclusions can be drawn from these figures as to the true relationship existing in the population as a whole. Some real direction in this respect may be expected when results of the Middlesex Cancer Survey become available during 1940.

The difference by site in the ratio of private to public cases is due to some degree to variation in defining the status of patients for this purpose. Uniformity in this respect may be *expected* to eliminate most of the recorded differences.

Some increase in the number of breast, cervix uteri and oral cases (except tongue in which there is a reduction) compared with the previous year is gratifying because it is in these sites particularly (excluding skin) that success in treatment has been established.

Stage of Disease at the Beginning of Treatment.

The importance of early treatment is repeatedly emphasized. Clinical evidence of the need rests on the known marked differences in survival rates in early and late cases. Since a successful outcome to treatment depends so much on the stage of disease when treatment is begun, considerable interest attaches to any trends toward earlier treatment such as might be reflected by—a lessening of the interval between first symptoms and diagnosis as well as between diagnosis and treatment, and by the stage of disease when treatment is begun.

In assessing any trend in the proportion which early cases form of total cases treated, over a period of years, it must be kept in mind that with improvement in methods, treatment is now being undertaken in many cases which were formerly considered too far advanced for treatment. This tends to weight the frequency of advanced cases.

In the third annual report (1938) evidence was presented to indicate encouraging improvement in the proportion of early *breast* cases (and reduction in the proportion of late cases), the percentage of stage I cases (disease still localized in the breast) having increased from 21.6 in 1934 to 32.3 in 1938. No comparable evidence of earlier treatment was available for other sites in the "accessible" group.

Data on stages of disease among patients treated from 1934 to 1938 were presented in the Third Annual Report (1938) for breast, cervix, oral cavity and skin cases. These figures may now be conveniently compared with those for 1939 (Table VI).

TABLE VI

STAGE OF DISEASE ON ADMISSION—CERTAIN SITES*

NEW TREATED CASES—1934-38 AND 1939

SITE OF CANCER	Stage of Disease	1934-1938		1939	
		Cases	Per Cent.	Cases	Per Cent.
Breast	I	271	28.9	78	34.5
	II	372	39.7	102	45.1
	III	295	31.4	46	20.4
	Total	938	100.0	226	100.0
Cervix Uteri	I	121	14.9	26	13.2
	II	271	33.3	75	38.1
	III	316	38.9	65	33.0
	IV	105	12.9	31	15.7
	Total	813	100.0	197	100.0
Lip	I	656	74.2	160	81.6
	II	177	20.0	26	13.3
	III	39	4.4	8	4.1
	IV	12	1.4	2	1.0
	Total	884	100.0	196	100.00
Tongue	I	39	22.9	10	31.3
	II	60	35.3	14	43.8
	III	53	31.2	8	25.0
	IV	18	10.6	0	......
	Total	170	100.0	32	100.0
Other Oral	I	59	18.0	15	17.6
	II	159	48.6	41	48.2
	III	78	23.9	25	29.4
	IV	31	9.5	4	4.7
	Total	327	100.0	85	100.0
Skin	I	1,943	84.0	482	88.0
	II	287	12.4	45	8.2
	III	61	2.6	17	3.1
	IV	21	0.9	4	0.7
	Total	2,312	100.0	548	100.0

NOTE:—Data cover all clinics for years 1935-1939, but only Toronto, Hamilton, Kingston and Ottawa Civic for 1934.

*Recurrences excluded.

Of the new breast cases, 34.5 per cent. were recorded as stage I, while 20.4 per cent. were in stage III on admission. Of 197 new cases of cancer of cervix uteri, only 26 or 13.2 per cent. were stage I, while 48.7 per cent. were in stages III and IV. Excluding skin cases (of which 88 per cent. were stage I) only 39.3 per cent. of the patients with cancer of breast, cervix uteri and oral cavity presented themselves for treatment before local spread, extension or metastasis, had occurred. This is a measure of the extent to which cases are treated at an early stage though, in many of these, symptoms may have been present for some considerable time.

Compared with available data for preceding years, encouragment of importance is limited to breast cases. Of special interest in this connection is the steady decline in stage III cases, from 40.2 per cent. of all cases in 1934 to 20.4 per cent. in 1939. The picture in cancer of cervix uteri is not much improved, half of the cases still being stage III or IV. *However*, a recent summary of the work of sixteen radiotherapeutic centres published by the League of Nations* indicates that this situation is general. Indeed Ontario figures are somewhat the more encouraging of the two.

Evidence of greater delay (in terms of stage of disease when treatment was begun) in public patients compared with private patients persists. In Table VII data on stages of disease for certain sites are given to illustrate the point.

TABLE VII

STAGES OF DISEASE—PUBLIC AND PRIVATE CASES—CERTAIN SITES*

NEW CASES TREATED ONLY—1939

STAGE	BREAST				CERVIX UTERI				ORAL CAVITY			
	Private		Public		Private		Public		Private		Public	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
I	61	36.5	17	28.8	7	10.1	19	14.8	128	70.7	57	43.2
II	83	49.7	19	32.2	31	44.9	44	34.4	39	21.5	42	31.8
III	23	13.8	23	39.0	24	34.8	41	32.0	12	6.6	29	22.0
IV	......	....	......	....	7	10.1	24	18.8	2	1.1	4	3.0
TOTAL	167	100.0	59	100.0	69	100.0	128	100.0	181	100.0	132	100.0

*Excluding recurrences.

The observed differences are similar to those recorded last year and they are of practical importance in control. The explanation may indicate, to a degree, the relative needs for education on cancer.

By and large the situation as recorded serves to emphasize the gain to be anticipated if the proportion of cases (particularly of accessible sites) treated early can be increased. The statistical report of the National Radium Commission for 1935-36 indicated that five year *net* survival rates in breast cases were as follows:—Stage I, 50.0 per cent.; Stage II, 22.4 per cent., and Stage III, 13.6 per cent. For cervix uteri the figures were 49.4 in Stage I, 43.7 in Stage II, 24.0 in Stage III and 7.2 per cent. in Stage IV cases. These figures and others like them should be a powerful factor in any educational programs.

Classification of New Cases Admitted During 1939.

In Table VIII a summary of the new cases admitted during 1939 is presented indicating the number of patients admitted with recurrences and the number not treated, by site of disease.

---

*Annual Report on the Results of Radiotherapy in Cancer of the Uterine Cervix. Edited by J. Heyman, M.D., League of Nations Health Organization, C. H. 1427, 1939.

TABLE VIII

CLASSIFICATION OF NEW CASES ADMITTED DURING 1939

Site of Cancer	Classification				Total
	Primary	Previous	Recurrent	Not Treated	
Breast	103	247	68	13	431
Cervix Uteri	198	5	9	10	222
Corpus Uteri	42	15	3	3	63
Oral Cavity	327	12	20	7	366
Air Passages	43	2	3	2	50
Rectum and Anus	38	1	2	8	49
Skin	532	31	32	10	605
Other Sites	381	106	47	70	604
Total	1,664	419	184	123	2,390
Per Cent	69.6	17.5	7.7	5.1	100.0

Excluding recurrences in the untreated group, there were 184 new cases admitted with recurrences. This is 8.1 per cent. of all new treated cases, and compares with 7.3 per cent. in 1938. For breast cases alone the proportion of all new cases which were admitted with recurrences was 16 per cent. Certain information on the nature of treatment after which the recurrences occurred in the 1938 cases, is given later in this report.

Histological Confirmation of Clinical Diagnosis.

A pathological report was available in 1,750 of 2,267 new treated cases. Table IX gives the frequency of histological examination by site of disease for public and private cases separately.

TABLE IX

HISTOLOGICAL EXAMINATION—BY SITE OF DISEASE

NEW CASES TREATED DURING 1939

Site of Cancer	Pathol. Done		No. Path. Exam.		No Data		Total	
	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.
Breast	180	108	31	11	61	27	272	146
Cervix Uteri	62	122	7	7	7	7	76	136
Body of Uterus	24	25	4	1	4	2	32	28
Oral Cavity	147	140	48	12	6	6	201	158
Air Passages	17	20	7	1	2	1	26	22
Rectum and Anus	23	13	1	2	2	....	26	15
Skin	269	138	139	29	15	5	423	172
Other Sites	180	182	53	30	47	42	280	254
Total Cancer	902	748	290	93	144	90	1,336	931
Per Cent	67.5	80.3	21.7	10.0	10.8	9.7	100.0	100.0

Histological confirmation of clinical diagnosis was available in 68.9 per cent. of breast cases, in 86.8 per cent. of cervix uteri cases, in 79.9 per cent. of oral cases and in 68.4 per cent. of skin cases. The latter figure represents considerable improvement over 1938 when the percentage was below 50.

There are still wide variations from clinic to clinic in the proportion of cases for which a pathological report is available. Table X gives a summary of the figures for each clinic for breast, uterus, oral cavity, air passages and rectum cases only. Percentages are based on total cases, *assuming* that where no data were available no examination had been done.

TABLE X

HISTOLOGICAL EXAMINATIONS—CERTAIN SITES*

NEW CASES TREATED DURING 1939

CENTRE	Private Cases			Public Cases		
	Histological Exams.		Total	Histological Exams.		Total
	Number	Per Cent.		Number	Per Cent.	
Hamilton	101	74.3	136	54	88.5	61
Kingston	27	42.2	64	11	45.8	24
London	43	95.6	45	27	93.1	29
Ottawa (Civic)	62	84.7	71	45	91.8	49
Ottawa (General)	21	87.5	24	26	86.7	30
Toronto	145	65.0	223	253	85.2	297
Windsor	54	77.1	70	12	80.0	15
ALL CENTRES	453	71.6	633	428	84.8	505

*Including breast, uterus, oral cavity, air passages and rectum.

Hamilton, London and Ottawa (General) all show quite substantially higher proportions of cases with histological examination than they did in 1938. Figures for Toronto, Kingston and Windsor, however, are lower. Less than 50 per cent. of Kingston cases were confirmed by tissue examination.

Confirmation of clinical diagnosis by tissue examination is a most important element in case analysis as well as in treatment and prognosis. There appears to be no evidence to support the contention that biopsy is to be avoided, rather is it to be urged that, in general, biopsy should be done in all cases. Exceptions to this rule are few. The recorded improvement in the extent to which all cases are confirmed by biopsy is noteworthy.

Prognosis.

Each follow-up card provides for a statment of whether the patient is regarded at the outset as treatable for cure or for palliation only. Table XI gives a summary of the new 1939 cases on this basis.

TABLE XI
TOTAL NEW CASES BY PROGNOSIS
CALENDAR YEAR 1939

SITE	Treatable for			No Data	Not* Treated	TOTAL
	Cure	Palliation	Ratio			
Breast	175	105	1.7	138	13	431
Cervix Uteri	56	77	0.7	79	10	222
Body of Uterus	27	15	1.8	18	3	63
Lip	152	2	76.0	65	2	221
Tongue	18	4	4.5	14	2	38
Other Oral	32	27	1.2	45	3	107
Air Passages	9	19	0.5	20	2	50
Rectum	6	28	0.2	7	8	49
Skin	553	23	24.1	19	10	605
Ovary	7	26	0.3	25	3	61
Other Sites	78	205	0.4	193	67	543
TOTAL CANCER	1,113	531	2.1	623	123	2,390
PER CENT	46.6	22.2	....	26.1	5.1	100.0

*For any reason—see subsequent section and tabulation.

In 1,113 or 46.6 per cent., the patient was recorded as treatable for cure. Excluding cases for which no data were recorded (623), two thirds of cases were classified as treatable for cure. The ratio of cases by prognosis for various sites in Table XI reflects, among other things, the stage of disease when treatment was begun and the susceptibility to treatment in general.

Such data are of value in studying the relationship between the prognosis recorded in each case *when treatment was begun*, in terms of the actual result obtained. In other words they can be employed by the Centres as a further measure of clinical case appraisal.

Method of Treatment.

As a means of reflecting treatment undertaken during the year, a general summary of the methods of treatment among new cases in 1939 (excluding recurrences) is given in Table XII.

TABLE XII
METHOD OF TREATMENT OF NEW CASES DURING 1939—BY SITE*

TREATMENT	SITE OF DISEASE								TOTAL	
	Breast	Cervix Uteri	Corpus Uteri	Oral Cavity	Air Passages	Rectum	Skin	Other Sites	No.	Per Cent.
X-Ray	54	49	12	51	30	25	99	247	567	25.7
Radium	2	14	8	168	2	2	370	18	584	26.5
Radium & X-Ray	9	129	17	94	5	3	29	27	313	14.2
Surgery & X-Ray	259	4	12	6	5	3	30	144	463	21.0
Surgery & Radium	0	2	3	9	2	0	26	23	65	3.0
Surg., Rad. & X-Ray	20	5	5	8	1	2	5	3	49	2.2
Not Treated	12	10	3	7	2	8	10	68	120	5.4
Surgery Alone	6	0	0	3	0	4	4	25	42	1.9
TOTAL	362	213	60	346	47	47	573	555	2,203	100.0

*Recurrences excluded.

Of all treated cases (exclusive of recurrences) 584 patients out of 2,083 were treated by radium alone. This is 28.0 per cent., and compares with 30.7 per cent. during 1938. Radium, alone or with X-ray, surgery or both, was used in 1,011 or 48.5 per cent. of new cases (51.7 per cent. in 1938). The trend from year to year can be determined *only* by consideration of individual sites, however, because of possible changes in the relative proportion of cases of different sites from year to year.

The number of cases treated by X-ray alone shows a substantial increase over 1938. This is the general experience elsewhere. The relative proportions of cases of each site treated by any method or combination can be ascertained from Table XII.

A summary of treated cases by Centre and method of treatment is given in Table XIII.

TABLE XIII

NEW TREATED CASES BY CENTRE AND METHOD OF TREATMENT*

CALENDAR YEAR 1939

METHOD OF TREATMENT	Hamilton	Kingston	London	Ottawa(C)	Ottawa(G)	Toronto	Windsor	TOTAL CASES
	CASES							
X-Ray	169	44	27	37	22	216	52	567
Radium	22	65	47	75	9	341	25	584
Radium and X-Ray	43	23	11	58	12	124	42	313
Surgery and X-Ray	90	34	28	66	41	190	14	463
Surgery and Radium	4	9	7	2	1	38	4	65
Surgery, Radium and X-Ray	4	1	5	8	4	12	15	49
Surgery Alone	1	0	4	10	19	5	3	42
TOTAL	333	176	129	256	108	926	155	2,083
METHOD OF TREATMENT	PER CENT.							TOTAL
X-Ray	50.8	25.0	20.9	14.5	20.4	23.3	33.5	27.2
Radium	6.6	36.9	36.4	29.3	8.3	36.8	16.1	28.0
Radium and X-Ray	12.9	13.1	8.5	22.7	11.1	13.4	27.1	15.0
Surgery and X-Ray	27.0	19.3	21.7	25.8	38.0	20.5	9.0	22.2
Surgery and Radium	†	5.1	5.4	†	†	4.1	†	3.1
Surgery, Radium and X-Ray	†	†	3.9	3.1	†	1.3	9.7	2.4
Surgery Alone	†	......	†	3.9	17.6	0.5	†	2.0
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

*Excluding recurrences.

†Percentages calculated only where 5 or more cases.

The percentage of new treated cases in which radium (either alone or in combination with other methods of treatment) was used varied as follows:—Hamilton 21.9 per cent., Kingston 55.7 per cent., London 54.2 per cent., Ottawa Civic 55.9 per cent., Ottawa General 24.0 per cent., Toronto 55.6 per cent., and Windsor 55.5 per cent. While these data suggest significant differences from clinic to clinic in the proportion of patients in whom radium was used, variation in the proportion of cases of the several sites treated is a factor. Attention was drawn to the observed differences in the 1938 report.

For cervix uteri, oral cavity and skin cases the following data are illustrative (Table XIV).

TABLE XIV
PROPORTION OF CASES TREATED WITH RADIUM—BY CENTRE†
CALENDAR YEAR 1939

CENTRE	Radium Alone (%)			Radium in Combination* (%)		
	Cervix	Oral	Skin	Cervix	Oral	Skin
Hamilton	5	33	6	62	23	12
Kingston	0	57	69	40	97	97
London	0	78	85	79	83	95
Ottawa (C)	0	26	82	90	87	88
Ottawa (G)	8	38	9	75	88	9
Toronto	18	58	80	78	82	90
Windsor	0	11	64	75	11	100
TOTAL (%)	7	50	66	74	78	78

*Alone or with X-ray, surgery or both. †Recurrences excluded.

These data indicate the basis of variations more specifically. In oral cases, radium alone is used much less frequently in Hamilton, Ottawa and Windsor than in other Centres. In skin cases, the Hamilton and Ottawa (General) clinics use radium alone rather infrequently compared with total general experience. Differences are observed also in the data on radium alone or in combination with other methods. In the case of Hamilton and Ottawa (General), skin cases stand out in contrast to all other Centres. In cervix cases the variations are also interesting.

Untreated Cases.

Cards were submitted covering a total of 123 patients who were admitted but *not treated* for any reason during the year. Of these, 38 were recorded as private and 68 as public, while 17 were not classified. The number of such cases reported by each clinic centre was as follows—Hamilton 2, Kingston 1, London 10, Ottawa Civic 23, Ottawa General 14, Toronto 47, and Windsor 26. For the purposes of this analysis palliative surgery was *not* considered as treatment.

A summary of the reasons recorded for non-treatment are shown in Table XV.

TABLE XV
UNTREATED CANCER CASES—REASON FOR NON-TREATMENT
CALENDAR YEAR 1939

REASON FOR NON-TREATMENT	SITE OF DISEASE						TOTAL
	Breast	Uterus	Oral Cavity	Air Passages	Rectum	Other Sites	
Too far advanced	5	11†	2	0	5	38	61
Refused treatment	1	1	2	0	0	7	11
Did not return	2	0	2	1	1	9	15
Died before treatment	0	0	0	0	0	1	1
Co-existent disease	0	1	0	0	0	1	2
Age & general condition	1	0	0	0	0	5	6
Other* or no data	4	0	1	1	2	19	27
TOTAL	13	13	7	2	8	80	123
TOTAL TREATED	418	272	359	48	41	1,129	2,267

*Includes cases designated "referred for surgery" (8), "observation" or "check-up" (7).
†Three body of uterus.

It is of interest that the number of patients considered too far advanced for treatment has not changed from last year and it is equivalent to about 3 per cent. of the total cases admitted. Eleven uterus cases (8 cervix and 3 body) were too advances for treatment—testimony of the late stage at which many of these cases reach the clinics. The clinic source of these latter cases was as follows—Kingston (1), London (2), Ottawa Civic (4) and Toronto (6).

The volume of these cases is of especial interest in relation to the total number treated in breast, cervix and oral cavity especially. A total of 15 patients with cancer of these sites—were considered too far advanced for treatment out of 1,049 (1.5 per cent.) In sites included under "Others" (digestive tract, etc.,) the true significance of the number of cases is obscure since comparable data on many who do *not* reach the clinics is not ascertainable. In subsequent years, greater detail in site tabulation and data on age, etc., will be useful.

Age and Sex of New Patients Treated in 1939.

The distribution of the new *treated* cases by sex at ages and by site of disease is given in Table XVI.

It is interesting to compare these data with the mortality statistics presented earlier in this report. There are no new findings. The female excess in the total treated case volume is small and in view of the marked sex differences in breast and oral cancer, the fairly equal representation of males and females is remarkable.

These figures should be compared with the data on mortality by age and sex given in preceding sections (vide supra page 196). The marked sex ratio in breast, oral and skin cancer are well known. There is no reason to presume any sex selection in these data so that the observed ratios for "accessible" sites may be expected to reflect the facts pretty well. The Middlesex survey may provide further confirmation and more reliable data for *other* sites.

Hospitalization

The large volume of general hospital care required for cancer cases is emphasized by data presented in the Report of the Division of Medical Statistics (pages 54-56). Other studies upon this aspect of the problem, now in progress, will throw more light on the subject, especially when the findings are reviewed in relation to the results of the Middlesex County Cancer Survey.

A summary of the data on hospitalization of new cancer patients treated during 1939 showed a greater average stay of "public" cases in keeping with the general experience. Of the public cases 25 per cent. were hospitalized during the year and of the private cases 23 per cent. Breast and cervix cases contribute a great part of the total volume of hospital days. Variations in the proportion of total new cases hospitalized, by Centre, are substantial.

TABLE XVI

NEW CASES TREATED DURING 1939—BY AGE AND SEX

CALENDAR YEAR—1939

SITE OF CANCER	Under 40		40–49		50–59		60–69		70–79		80+		Not Stated		TOTAL	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Breast	0	49	0	99	1	131	1	85	1	37	1	6	0	7	4	414
Cervix Uteri	0	37	0	61	0	64	0	39	0	6	0	3	0	2	0	212
Body of Uterus	0	3	0	9	0	21	0	13	0	9	0	1	0	4	0	60
Lip	13	0	29	2	41	0	50	1	53	1	23	2	4	0	213	6
Tongue	1	0	2	1	4	2	12	1	7	2	3	0	0	0	30	6
Other Oral	4	0	9	2	11	2	30	1	31	2	10	1	1	1	95	9
Air Sinuses	1	0	2	2	0	2	2	0	0	0	0	0	0	0	5	4
Larnyx	0	0	1	0	6	0	1	0	2	1	1	0	0	0	11	1
Other Air Passages	0	1	4	1	3	4	3	2	6	1	1	0	1	0	18	9
Rectum and Anus	3	2	1	1	7	6	8	4	5	4	0	0	0	0	24	17
Skin	23	20	39	21	60	46	79	67	105	58	46	23	7	1	359	236
Ovary	0	9	0	15	0	21	0	11	0	0	0	0	0	2	0	58
Other Digestive Tract	0	0	11	2	9	10	10	2	3	4	0	0	2	2	35	20
Other Sites	68	36	28	20	55	33	62	36	30	25	8	7	5	8	256	165
Total Cancer Cases	113	157	126	236	197	342	258	262	243	150	93	43	20	27	1,050	1,217
Per Cent. (By Sex)	10.8	12.9	12.0	19.4	18.8	28.1	24.6	21.5	23.1	12.3	8.9	3.5	1.9	2.2	100.0	100.0
Ratio of Males to Females	0.72		0.53		0.58		0.98		1.62		2.16		0.74		0.86	

Professional Interest in the Cancer Clinic Service.

One index of the success of efforts in the field of Cancer Control is some evidence of growing awareness of the problem and co-operation in effecting early treatment. The large number of physicians now referring cases to the clinics is evidence of this sort. Table XVII gives a summary by Centre of the number of physicians referring cases in relation to the number of new cases *admitted* during 1939.

TABLE XVII

REFERRING PHYSICIANS BY CENTRE

CALENDAR YEAR 1939

CENTRE	New Cases on Record	No. of Different Referring Physicians	Different Physicians per New Case
Hamilton	376	181	0.48
Kingston	185	89	0.48
London	153	96	0.63
Ottawa (C)	290	130	0.45
Ottawa (G)	129	43	0.33
Toronto	1,062	457	0.43
Windsor	195	104	0.53
TOTAL	2,390	1,100	0.46

Thus 1,100 different physicians, or more than one-quarter of the total number engaged in practice in the province, referred one or more new cases for treatment during 1939. One referring physician for every two new cases is good evidence of the established recognition of the treatment centres in the minds of both the public and the medical profession.

Geographic Distribution of New Treated Cases.

Further data has been compiled on the distribution of patients by area of residence. Last year, reference was made to the fact that the case load (in relation to population) was heaviest in and adjacent to the counties where clinics were located. In Table XVIII the new treated cases are distributed by county or district of residence and case rates per 100,000 population given for purposes of comparison.

TABLE XVIII

NEW CANCER CASES (TREATED)—BY AREA OF RESIDENCE—1939

County or District of Residence	Population†	Total Cases—All Sites Number	Total Cases—All Sites Rate*	Accessible Sites Only	Public Cases All Sites
Addington	7,500	8	107	8	1
Algoma	50,650	20	40	18	8
Brant	58,530	19	32	14	10
Bruce	46,150	25	54	19	6
Carleton	186,100	233	125	158	103
Cochrane	63,410	30	47	24	12
Dufferin	16,130	13	81	7	8
Dundas	17,630	15	85	11	6
Durham	28,140	9	32	6	2
Elgin	47,650	19	40	18	10
Essex	174,840	139	80	88	31
Frontenac	49,900	60	120	43	19
Glengarry	20,260	8	40	7	6
Grenville	18,010	7	39	5	3
Grey	63,030	22	35	18	8
Haldimand	23,260	22	94	18	8
Haliburton	6,380	5	78	4	3
Halton	28,890	33	114	23	8
Hastings	64,530	35	54	29	14
Huron	49,530	21	42	14	4
Kenora‡	28,510	1	4	....	1
Kent	68,660	44	64	37	17
Lambton	59,660	16	27	13	3
Lanark	36,020	24	67	17	5
Leeds	38,650	26	67	17	9
Lennox	13,130	16	122	14	1
Lincoln	59,280	41	69	33	16
Manitoulin	11,630	4	34	4	....
Middlesex	129,440	67	52	49	29
Muskoka	22,890	6	26	3	2
Nipissing	45,020	18	40	13	10
Norfolk	34,140	6	18	5	3
Northumberland	34,520	17	49	17	10
Ontario	65,290	39	60	31	14
Oxford	52,150	21	40	17	9
Parry Sound	28,140	15	53	15	8
Peel	30,770	19	62	16	7
Perth	56,280	10	18	6	3
Peterborough	48,030	14	29	13	4
Prescott	27,020	5	18	1	5
Prince Edward	18,010	12	67	9	5
Rainy River	19,140	....	....		....
Renfrew	57,030	45	79	35	11
Russell	20,260	14	69	7	7
Simcoe	91,550	43	47	37	13
Stormont	35,650	14	39	12	5
Sudbury	63,790	26	41	20	17
Thunder Bay	71,290	23	32	17	8
Timiskaming	40,520	21	52	13	11
Victoria	28,140	16	57	14	6
Waterloo	98,130	52	53	34	20
Welland	90,420	37	41	27	17
Wellington	63,410	34	54	27	12
Wentworth	207,860	240	116	166	78
York	936,880	456	49	320	268
Quebec	....	50	....	31	16
Other Provinces	....	4	....	....	....
U. S. A	....	8	....	6	....
Not Stated	....	20	....	16	11
Grand Total	....	2,267	....	1,644	931
Ontario Total	3,752,000	2,205	58.8	1,607	915

†Estimated for 1939. *Per 100,000 population. ‡Includes District of Patricia

There are important differences between the clinics in the proportion of various types of cases (sites) treated and there are also important differences in age distribution of the population from area to area. The latter is obviously a leading determining factor in recorded cancer case frequency and mortality.

The case load varies from 125 per 100,000 population in Carleton, 120 in Frontenac, 116 in Wentworth, 80 in Essex, 52 in Middlesex and 49 in York—to 32 in Brant, 32 in Durham, 40 in Elgin, 40 in Glengarry, 39 in Grenville, 35 in Grey, 27 in Lambton, 18 in Norfolk, 40 in Oxford, 18 in Perth, 29 in Peterborough 18 in Prescott, 39 in Stormont, and 41 in Welland. The case rate for the province as a whole was 58.8 compared with 56.7 last year.

Case (and death) rates based on the experience of a single year and on small numbers such as those in Table XVIII are liable to substantial fluctuation from year to year. It is noteworthy, however, that the rates for 1939 follow in general order those for 1938. Counties with low case rates in 1938, still have low rates and vice versa. The degree to which demographic factors alone (age, etc.,) are responsible for the observed wide range in case rates has not yet been investigated, but the differences in Southern Ontario are of too substantial an order to be possibly accounted for entirely in this way.

In future, standardization of case and death rates will be carried out in order to determine, with some precision, the "true" relationship which exists in incidence and frequency between the various parts of the province. A lack of close relationship between the case and death rates need not be surprising in view of the substantial differences in cases received for treatment in various Centres and the suggestive evidence of the influence of distance as a factor in cases reaching the clinics.

It is pointed out that while the case frequency in areas between the clinic centres, is lower than it is in the areas adjacent thereto, this *does not at once* mean that distance is delaying treatment. Patients may be (and undoubtedly are) being treated elsewhere.

Non-Cancer Cases.

During 1939 a total of 1,855 new non-cancer cases were treated in the clinics. This is an increase of 275 over the previous year (17.4 per cent.) Of this number, 823 were benign tumour cases and the rest non-neoplastic conditions. Table XIX gives a summary of these cases.

TABLE XIX
NEW NON-CANCER CASES—1939

Non-Malignant Tumours		Non-Neoplastic Diseases	
Diagnosis	No. of Pts.	Diagnosis	No. of Pts.
Angiomata	139	Actinomycosis	12
Cysts (various)	25	Asthma	22
Fibromata	27	Cervicitis	23
Keloids	22	Diseases of Thyroid	22
Keratosis	142	Fibrosis Uteri	14
Leukoplakia	63	Infections, n.s.e.*	198
Moles, Naevi	56	Mastitis	31
Papillomata	101	Menorrhagia, etc†	215
Polypi	5	Parotitis	28
Warts	182	Pruritus	30
Others	61	Skin Diseases (various)	267
		Thymic Enlargement	56
		Tuberculosis	18
		Others	96
Total	823	Total	1,032

*Adenitis, chronic inflammation, etc.

†Including menorrhagia, metrorrhagia, menopausal bleeding.

The frequency of "precancerous" lesions such as keratosis and leukoplakia is of great interest. A total of 205 patients received treatment for these conditions (153 in 1938). Data on the follow-up of such cases will be useful.

This concludes the analysis of the 1939 case experience of Ontario's seven Cancer Centres. The increase in case volume and the widespread source of patients are encouraging evidence of the broad sphere of influence and of the important service rendered by them in cancer control in Ontario.

SUPPLEMENTARY STUDIES

Previous Treatment in Recurrences.

Attention was directed in the 1938 report to the proportion of new clinic cases who were admitted with recurrences. A total of 135 *new* patients with cancer of the breast, uterus, oral cavity, rectum or skin were admitted to the seven cancer centres with recurrences during 1938. A review of the treatment after which these recurrences occurred is given in Table XX.

TABLE XX

NATURE OF PREVIOUS TREATMENT—PATIENTS ADMITTED WITH RECURRENCES—CERTAIN SITES—1938

TREATMENT*	SITE						TOTAL
	Breast	Corpus Uteri	Cervix Uteri	Oral Cavity	Rectum	Skin	
Surgery— Locally	32	6	7	9	5	15	74
Outside	14	1	2	1	......	1	19
S. & X.R.—Locally	11	.....	.....	......	......	2	13
Outside	7	......	......	......	......	......	7
X. or R.— Locally	1	......	2	1	.....	6	10
Outside	1	......	.....	5	......	6	12
TOTAL	66	7	11	16	5	30	135
TOTAL NEW CASES†	401	62	201	346	51	349	1,610

*"Locally" means in the municipality where the hospital is located. †Treated cases.

These patients were all *new* patients as far as the clinics were concerned. The treatment "previously" received was therefore all given *before* the patients entered the clinic at all. Such treatment is presented in broad terms only, the object being merely to indicate certain of the essentials.

One-half of all patients admitted with recurrences of the specified sites were breast cases. In breast and skin cases there were more recurrences in patients classed as private. This means little in itself since we are ignorant of the proportion of all cases from which these recurrences came which were private and public.

Completeness of Follow-Up.

Using patients treated during 1938 and followed during 1939 as a basis, a study was made of the frequency with which patients were lost or were not followed up within 6 months of the first anniversary of treatment. The data obtained for six clinics are given in Table XXI.

TABLE XXI

COMPLETENESS OF FOLLOW-UP—PATIENTS TREATED IN 1938

Clinic	Site of Disease—Number of Cases*					All Sites		
	Breast	Uterus	Oral	Skin	Others	Cases	Not Seen	%
Hamilton	60(1)	46(0)	27(5)	84(1)	85(0)	302	7	2.3
Kingston	42(2)	18(1)	31(1)	57(1)	38(0)	186	5	2.7
London	18(0)	14(0)	25(0)	50(1)	39(0)	146	1	0.7
Ottawa (C.)	41(1)	23(2)	45(1)	75(0)	69(5)	253	9	3.6
Ottawa (G.)	18(0)	7(0)	19(3)	18(3)	35(2)	97	8	8.2
Windsor	23(0)	27(0)	18(2)	25(2)	43(1)	136	5	3.7
Total	202(4)	135(3)	165(12)	309(8)	309(8)	1,120	35	3.1

*Cases not followed are bracketed.

Most difficulty is naturally experienced with skin cases in which results are so frequently rapid and dramatic, but some difficulty has also been experienced in other sites, especially in private patients. On the whole the relative fewness of *true* lost cases is reassuring in respect to the ultimate accuracy of follow-up data.

Important in connection with the follow-up is the source of the information recorded as to the condition of patients—e.g., *direct*, by examination at the clinic or *indirect*, by correspondence or other means through the patient or referring physician. Differences in practice in this respect undoubtedly are a factor in the accuracy of the data. It may be difficult in *some* cases to recall patients for examination even once a year without considerably more in the way of professional and public education as to the importance and purpose of such re-examinations, but the essential value of the practice cannot be overestimated clinically or statistically.

Delay in Treatment.

Of the several indices of progress in cancer control, something has already been said about mortality and stage of disease when treatment is begun, in this and earlier reports. Delay in diagnosis and treatment are specially important and although it is not believed that these can be accurately estimated, some useful data are provided by considering the recorded intervals between first symptoms, first consultation, first treatment and treatment at the clinics.

Difficulty in accurate determination of delay in treatment concerns the unreliability of statements as to date of onset of disease (first symptom) as reported by patients. This, however, may be expected to be sufficiently uniform in its total effect to warrant a year-to-year examination of the situation for some indication of improvement. Reduction of any of the intervals mentioned would suggest definite progress toward early diagnosis and prompt treatment. The figures presented below are the first recorded for the clinics as a whole in these reports. While the comparatively large number of cases in which no data are available constitutes a limitation, the findings *are* instructive.

In Table XXII are given the distributions of public and private patients by site in arbitrary groups by duration of symptoms (date of first symptom to date of admission to clinic).

TABLE XXII

DURATION OF SYMPTOMS—BY SITE OF DISEASE*

TREATED CASES—ALL CENTRES—1938

Site	Duration of Symptoms (Months)								
	<1	1–5	6–11	12–17	18–23	24–35	36+	N. S.	Total
	Public Patients								
Breast	5	35	31	14	2	7	12	7	113
Cervix Uteri	2	57	27	14	5	8	8	4	125
Corpus Uteri	3	8	5	1	1	2	3	4	27
Lip	3	21	12	11	......	3	18	6	74
Tongue	2	14	3	4	......	1	2	1	27
Other Oral	2	19	8	5	2	1	4	3	44
Air Passages	......	8	2	2	1	1	1	3	18
Rectum	......	6	4	6	1	1	2	2	22
Skin	4	12	16	16	7	17	36	20	128
Ovary	......	7	4	......	...	2	....	2	15
Other Sites	8	56	35	20	6	13	31	33	202
All Sites	29	243	147	93	25	56	117	85	795
Per Cent	3.6	30.6	18.5	11.7	3.1	7.0	14.7	10.7	100.0
Site	Private Patients								Total
Breast	14	81	43	22	2	14	23	30	229
Cervix Uteri	3	27	12	5	......	2	2	14	65
Corpus Uteri	......	7	9	......	1	....	.....	11	28
Lip	2	54	21	15	1	10	11	17	131
Tongue	2	9	3	......	1	......	.....	2	17
Other Oral	2	17	11	2	......	2	3	6	43
Air Passages	1	7	3	2	......	2	1	4	20
Rectum	......	9	3	3	1	....	4	12	32
Skin	2	85	51	48	10	40	95	55	386
Ovary	2	17	4	......	......	1	2	9	35
Other Sites	10	63	24	17	7	9	22	63	215
All Sites	38	376	184	114	23	80	163	223	1,201
Per Cent	3.2	31.3	15.3	9.5	1.9	6.7	13.6	18.6	100.0

*Recurrences excluded.

While data for public and private cases are given separately in Table XXII, comparisons between the two groups *totals* are meaningless due to differences in the proportion of the several sites. This much can be said—that only 3-4 per cent. of all cases treated during 1938, reached the clinic within 1 month of the first recorded symptom (or sign). Two thirds had had symptoms (or signs) for six months or more before reaching the clinic.

Consider breast and cervix uteri cases separately. Five public cases reached the clinic within 1 month and 35 per cent. within 6 months. The figures for private cases are 7 per cent. and 47 per cent. In cervix cases only 5 cases of 172 reached the clinic within 1 month. *Half had had symptoms for 6 months or more.*

It would appear that in these two sites there is particularly good evidence to explain the advanced *stages* at which patients are even now presenting themselves for treatment. To this latter situation attention was specially drawn in the Third Annual Statistical Report on Cancer (1938).

Another aspect of the problem is that of delay following the first contact of patients with a physician for cancer. A finer division of time intervals would be desirable in studying this but certain useful observations can be made from the figures in Table XXIII.

TABLE XXIII

TIME SINCE FIRST CONSULTATION—BY SITE OF DISEASE*

TREATED CASES—ALL CENTRES—1938

Site	Time Since First Consultation (Months)							N.S.	Total
	<1	1–5	6–11	12–17	18–23	24–35	36+		
	Public Patients								
Breast	47	45	8	3	1	2	1	6	113
Cervix Uteri	55	43	12	3	1	2	......	9	125
Corpus Uteri	9	12	2	1	......	......	......	3	27
Lip	37	16	3	3	......	1	3	11	74
Tongue	13	11	1	1	......	......	......	1	27
Other Oral	20	15	2	1	......	......	1	5	44
Air Passages	4	8	.....	2	1	......	......	3	18
Rectum	6	6	4	......	1	......	......	5	22
Skin	63	24	7	5	2	2	10	15	128
Ovary	3	10	....	......	......	......	......	2	15
Other Sites	45	72	15	9	4	5	8	44	202
All Sites	302	262	54	28	10	12	23	104	795
Per Cent	38.0	33.0	6.8	3.5	1.3	1.5	2.9	13.1	100.0
Site	Private Patients								Total
Breast	72	95	13	4	......	4	8	33	229
Cervix Uteri	29	15	5	......	1	......	......	15	65
Corpus Uteri	6	7	3	......	......	......	......	12	28
Lip	59	32	4	2	......	1	1	32	131
Tongue	10	5	......	......	......	......	......	2	17
Other Oral	21	11	2	1	......	......	1	7	43
Air Passages	6	10	......	......	......	......	......	4	20
Rectum	8	9	......	......	2	2	......	11	32
Skin	190	63	8	13	......	4	17	91	386
Ovary	8	14	1	......	......	1	1	10	35
Other Sites	51	63	17	3	4	3	4	70	215
All Sites	460	324	53	23	7	15	32	287	1,201
Per Cent	38.3	27.0	4.4	1.9	0.6	1.2	2.7	23.9	100.0

*Recurrences excluded.

The figures indicate the general extent to which delays occur and show that 40-50 per cent. of patients received treatment within one month of the first contact with a physician. Because the data refer to intervals up to the time of treatment at the clinic, the cervix uteri cases present the best index of the situation. In this group, 55 out of 116 "public" cases and 29 out of 50 "private" cases received treatment within a month.

Considerably more data are required before a precise statistical appraisal of the delays which occur between onset of disease, diagnosis and treatment can be effected. The above figures, however, are provocative.

SEVENTY-SECOND ANNUAL REPORT

OF THE

HOSPITALS DIVISION
DEPARTMENT OF HEALTH

UPON THE

Ontario Hospitals for the Mentally Ill, Mentally Defective, Epileptic and Habituate Patients

OF THE

PROVINCE OF ONTARIO
FOR THE YEAR ENDING MARCH 31st, 1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL No. 15

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty,
1940

TO THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present the Seventy-Second Annual Report of the Hospitals Division, Department of Health, upon the Ontario Hospitals for the Mentally Ill, Mentally Defective, Epileptic and Habituate Patients of the Province of Ontario, for the year ending March 31st, 1939.

Respectfully submitted,

Harold J Kirby

Minister

HONOURABLE H. J. KIRBY, K.C.,

Minister, Department of Health,

Parliament Buildings, Toronto.

Dear Sir:

I have the honour to present herewith the 72nd Annual Report of the Hospitals Division of the Department of Health for the year ending March 31st, 1939.

The intensive tuberculosis case-finding programme inaugurated in May 1937 has been continued throughout this year. Some conception of the amount of work accomplished in this period by the clinic may be obtained from the following figures:

	Patients	Staff	Total
No. of chest x-rays interpreted	18,944	4,161	23,105
No. of chest examinations (physical) performed	1,343	432	1,775
No. of tuberculin tests performed	1,803	3,039	4,842
No. of cases advised for treatment (active tuberculosis)	185	12	197
No. of cases requiring further study (inactive tuberculosis, suspected tuberculosis, etc.)	686	358	1,044

In addition to the above diagnostic work, treatment was provided in the T.B. Units at New Toronto and Concord for at least 300 tuberculous mentally ill persons. Pneumothorax treatments were being supplied to 10% of the patients.

Supervision was given to and the necessary re-examinations arranged for those employees of the Ontario Hospitals who were convalescent from tuberculosis following their discharge from sanatoria.

A comprehensive manuscript was prepared upon "Tuberculosis Prevention and Treatment in Ontario Mental Hospitals" outlining the work and the results obtained particularly since 1933. This paper was presented at the meeting of the American Psychiatric Association in May 1939.

As more or less specific forms of therapy, both insulin and metrazol have been used during the past year. The use of insulin therapy was confined to the Ontario Hospital, New Toronto, where clinics were in operation on both male and female services, each under the direction of a competent full-time physician. Treatment was completed on seventy schizophrenic patients with very gratifying results. Forty-three percent of these either achieved a complete remission or nearly so and left hospital, able to resume their former occupations, after three months' treatment. An additional thirty-four percent benefitted to the extent that nursing care was made much easier and their hospital stay more pleasant.

Metrazol therapy has been used at the Ontario Hospitals, Whitby, Hamilton, London, Kingston, Brockville and Toronto. Because of the relative simplicity of the technique it has been possible to treat much greater numbers of patients by this method — four hundred and forty-three in all. In this group one finds three hundred and twenty-nine schizophrenics, eighty-nine manic depressives and twenty-three cases of involutional melancholia. The results obtained with schizophrenic patients are not as good as with insulin therapy, twenty-four percent as compared with forty-three percent achieving a full or social remission. and twenty-five percent as compared with thirty-four percent showing hospital improvement. Most gratifying results were obtained however, among the manic depressive and involutional groups where fifty-seven percent of the former and forty-seven percent of the latter made full or social remissions.

Our impression of the relative merits of the two "so-called" forms of shock therapy, is that insulin gives better results when used in the treatment of schizophrenic patients and metrazol with manic depressive and involutional cases. Used in well supervised clinics, both forms of therapy are relatively safe. More severe complications follow metrazol therapy. Both forms have very materially shortened the period of hospitalization in successful cases.

The course of training for male nurses, inaugurated at the Ontario Hospital Whitby, in 1937, has been continued. The course leads to the degree of Registered Nurse. Eight male students admitted in 1937 commenced the affiliate course of one year at the Toronto General Hospital in October 1938. A second class of twelve men was admitted to the school at Whitby in September 1938.

On March 31st, 1939, there were 13,746 patients in residence in the twelve Ontario Mental Hospitals. This figure represents an increase of 272 patients or 2·0% over the resident population at the beginning of the year. There were, in addition, 501 patients under supervision in approved boarding homes and 940 patients on probation. Thus, the total number of patients on the books of the Ontario Hospitals at the end of the year was 15,196. This represents an increase for the year of 456 patients or 3·1%. During the year, 2,078 patients were discharged. This represents 11·5% of all patients under supervision during the year, and is equivalent to 63.2% of the total number of patients admitted during the same period. Of the discharged patients 513 were described as "recovered" and 1,058 as "improved."

It is hoped that the information contained in this report will be useful, not only to those directly concerned in dealing with the mentally ill, but also to the general public whose interest and support are essential for further progress in this field of effort.

Respectfully submitted,

B. T. McGHIE, M. D.

Deputy Minister.

TABLE OF CONTENTS

PAGE

REPORTS OF THE SUPERINTENDENTS 9
REPORTS OF THE ONTARIO HOSPITALS CHEST CLINIC 20
REPORT OF THE ONTARIO HOSPITAL SCHOOLS OF NURSING 21
REPORT OF THE DEPARTMENTAL MEDICAL STATISTICIAN 23
DETAILED STATISTICAL TABLES 43

General Tables:

1 Detailed Movement of Patient Population-Year ending Mar. 31, 1939 44
2 Movement of Patient Population-Year ending Mar. 31, 1939......... 46
3 Patient Population, April 1, 1938 and March 31, 1939............... 48
4 Movement of Population in Boarding Homes and on Probation...... 51
5 Changes in Patient Population, April 1, 1938 vs March 31, 1939..... 52
6 Summary of Patient Population by Diagnosis and Sex............. 53
7 Distribution of Patients by County or District of Residence—First Admissions, Re-Admissions and Patients in Residence.......... 54
8 Religion of First Admissions and Patients in Residence............ 55

Patients In Residence:

9 Patients in Residence by Age, Sex and Diagnosis.................. 56
10 Patients in Residence by Hospital, Sex and Age.................... 58
11 Patients in Residence by Hospital, Sex and Diagnosis............. 60

First Admissions and Re-Admissions (shown separately):

12 Method of Admission by Hospital and Sex.......................... 62
13 Detailed Method of Admission by Sex.............................. 64
14 Place of Birth and Nativity of Parents............................ 65
15 Length of Residence in Canada—British & Foreign Born........... 65
16 Diagnosis and Sex (detailed list)................................. 66
17 Citizenship 68

First Admissions (only):

18 Hospital and Diagnosis... 69
19 Place of Residence, Sex and Diagnosis............................. 70
20 Marital Status, Sex and Diagnosis................................. 71
21 Age, Sex and Diagnosis.. 72
22 Racial Origin, Sex and Diagnosis.................................. 74
23 Educational Status, Sex and Diagnosis............................. 76
24 Economic Status, Sex and Diagnosis................................ 78
25 Alcoholic Habits, Sex and Diagnosis............................... 79
26 Previous Occupation 80

Re-Admissions (only):

27 Length of Stay Out of Hospital, Sex and Diagnosis................. 81
28 Condition on Previous Discharge, Length of Stay Out of Hospital and Diagnosis 82

Disposal of Admissions During Year:

29 Disposal of Patients Admitted During Year—Certain Psychoses.... 85

Discharges:

30 Age, Sex and Diagnosis.. 86
31 Condition on Discharge and Diagnosis-First and Re-Admissions by Sex 88
32 Condition of Discharge. Length of Stay in Hospital, Sex and Diagnosis 90

Deaths:

33 Diagnosis and Sex—First and Re-Admissions........................ 93
34 Cause of Death by Sex and Diagnosis.............................. 94
35. Age, Sex and Diagnosis 98
36 Total Duration of Hospital Life. Sex and Diagnosis............... 100
37 Total Duration of Hospital Life and Sex—First and Re-Admissions 102

TABLE OF CONTENTS (cont)

Miscellaneous:

38 General Statistics 103
39 Classification of Staff by Hospital 104
40 Expenditures Reported by Ontario Hospitals 106
41 Per Caput Cost by Hospital 108
42 Dental Report by Hospital 109
43 Chest Clinic Report by Hospital 110
44 Laboratory and Pathological Report by Hospital 112

SUPPLEMENTARY STATISTICAL TABLES, ONTARIO HOSPITAL SCHOOL ORILLIA 113

SUPPLEMENTARY STATISTICAL TABLES, ONTARIO HOSPITAL WOODSTOCK 117

MENTAL HEALTH CLINICS REPORT 120

ONTARIO HOSPITAL, BROCKVILLE

C. S. TENNANT, M.D., Superintendent

CARE AND TREATMENT OF PATIENTS:

Again unfortunately, we have to report an increase in the number of patients under treatment in the hospital, but part of this increase is accounted for by the transfer of patients from the Fort William institution. It is my opinion that the balance of the increase in numbers can be considered a natural one.

We continue to devote considerable attention to the treatment of patients with a program of recreation and physical training. The installation of a sound projector for moving picture programs during the past year has filled a long-felt want in this hospital and the programs are greatly appreciated by patients. Dark curtains provided for the recreation hall enable us to provide these programs, even in the daytime.

The appointment of a full-time dental surgeon in the summer of 1938 has enabled us to devote much more attention to the dental care of our patients.

A small increase in the number of patients placed in Approved Homes has been accomplished and we have had the satisfaction of seeing a number of patients from our Approved Homes re-established in the community at remunerative employment. I think it will be agreed that in this we have fulfilled one of the main functions of the Approved Home system.

With increasing measure our Mental Health Clinic is co-operating in the re-establishment of patients. The Clinic also is extending its field — increasing the number of visit in centres or adding to the centres visited.

STAFF, ADMINISTRATION AND BUILDINGS:

The following staff changes occurred during the year:

Dr. M.W.M. Sloane resigned and Dr. G. C. Ferrier was appointed to fill the vacancy. Dr. Margaret G. Rendall was transferred to the Ontario Hospital, Toronto, prior to reporting for a post-graduate course at the Psychiatric Hospital, Toronto. Dr. C.H. Gundry, Director of the Mental Health Clinic, resigned to accept an appointment with the Metropolitan Health Unit, Vancouver, B.C. Dr. D.G. McKerracher, from the Ontario Hospital, New Toronto, succeeded Dr. Gundry as Director of our Mental Health Clinic. Dr. R. P. Markle was appointed full-time Dental Surgeon July 1, 1938.

In regard to the program of buildings and renovations, mention can be made of improved lighting on several of the hospital wards and in the recreation hall. This has been accomplished with very little expenditure of funds.

Our engineer's residence has been improved with the installation of a new furnace and by insulation, so that satisfactory comfort has been ensured. All windows in the nurses' residence have been provided with fly screens. An extensive program has been maintained in repairing plaster and re-decorating wards of the hospital. Apartments. main entrance hall and reception room in the nurses' residence have been painted. Many new window sashes have been installed in patients' cottages. Some 400 feet of 6" tile in the main sewer line have been replaced with 9" tile, thus providing, we hope, against interference with free outlet.

ONTARIO HOSPITAL, COBOURG

G. C. KIDD, M.D., Superintendent

CARE AND TREATMENT OF PATIENTS:

During the year 57 patients were admitted and 11 were transferred from other Ontario Hospitals, a total of 68. In addition 109 patients were placed on probation, 57 patients returned from probation, 36 patients were discharged, and 8 patients died during the year. There were 27 patients sent to Colony Houses in Toronto and 8 patients returned. The patients have been classified into Groups A.B.C. & D., according to their behaviour, and promotion and demotion depends on how they conduct themselves in the classes and on the wards. Various privileges are granted to the higher groups and restrictions placed on the lower groups, and this classification is working out very satisfactorily.

Our Annual Sports Day was held on September 21, 1938.

Religious services were held in our Auditorium: Roman Catholic services at 7.30 a.m. Protestant services at 9 a.m.

Eleven of our girls received religious instruction and were confirmed by the Archbishop of Toronto, in St. Peter's Church, Cobourg.

The exchange system was introduced in our laundry and is working out quite satisfactorily.

STAFF, ADMINISTRATION AND BUILDINGS:

A nurse-attendant has full-time recreational duties conducting physical therapy classes, taking groups of girls to the softball field, to the bowling alley and for hikes, etc.

A full-time dentist was replaced by a part-time dentist, who comes to the hospital three half days weekly.

Dr. W.H. Gauld, Assistant Physician, was transferred to the Ontario Hospital, Whitby, and Dr. A. G. Allan was transferred to this hospital from the Ontario Hospital, Toronto.

The following addresses were given by members of the hospital staff:

Dr. Kidd—Cobourg Kinsmen Club—"The Mental Defective."

Dr. Kidd — Registered Nurses' Association, Chapter B—"Care of the Mental Defective."

Miss Irene Shaw — Registered Nurses' Association, Chapter B — "Care of the Mentally Ill," with demonstrations.

Miss M. Polson—Talks to school teachers at Port Hope and Coubourg, to the Young People's Society, Presbyterian Church, Cobourg, and Red Cross Classes at Cobourg and Peterboro.

General repairs were carried out by members of our maintenance staff in all departments of the hospital. The remodelling and installation of new weigh scales is in progress, partly by our maintenance staff and partly by outside help. Iron and hot plate was installed in kitchen at the nurses' residence. X-ray was installed in the dental office.

ONTARIO HOSPITAL, FORT WILLIAM

J. N. SENN, M.D., Superintendent

CARE AND TREATMENT OF PATIENTS:

Apparently this hospital is not alone in being overcrowded with resultant lowering of the standards of treament. This is further emphasized by our peculiar construction which renders segregation of disturbed patients an impossibility. We appreciate very much the co-operation of the department and other hospitals in arranging transfers when we became overfilled, but can see no solution for our problem excepting the continued transfers of a similar nature in the future. The staff are co-operating admirably under somewhat trying conditions, and to them must go much of the credit for results of treatment in our patients.

During the year we have endeavoured to keep in touch with probated patients. This is often difficult on account of the transient habits of many of our patients. We have also attemped to be of service to other hospitals who have referred their probationary patients to us for follow-up.

All members of the staff on outside services take patients with them for occupational purposes. In this way patients are more fully engaged and more therapy results from the various hospital industries.

STAFF, ADMINISTRATION AND BUILDINGS:

Dr. C.H. Wilson joined our staff on June 20th, 1938 being transferred from the Ontario Hospital, London. All new members of attendant staff have been given instruction in care of patients in hospital including bed, ambulatory and occupationally engaged patients. Members of outside services such as farmhands have been given instruction in care of occupational patients. This has resulted in the whole staff being always aware as to the object of the hospital and of their own part therein.

Dr. Wilson was available to physicians in the district as a consultant in poliomyelitis, a severe epidemic of which was present in this district during the summer and fall of 1938. Much good was accomplished by this service. Dr. Wilson addressed the Thunder Bay Medical Society on poliomyelitis. Addresses were given by the superintendent to the Thunder Bay Medical Society, Rotary Club of Fort William, Gyro Club of Fort William and Kiwanis Club of Fort William and Port Arthur on psychiatric subjects. Instruction in Psychiatry was also given to nurses in training at McKellar Hospital, Fort William, Port Arthur General Hospital and St. Joseph's Hospital, Port Arthur. The superintendent of nurses has addressed the local Registered Nurses' Association on two cccasions on psychiatric problems.

During the past year we constructed with our labour a building to accommodate fifty lambs and thirty-five head of young cattle. Part of the foundation of the barn previously destroyed by fire was covered to allow running of fattening cattle during the winter months. In this way two carloads of feeding steers were fattened, to be later slaughtered here, and carcasses shipped to various Ontario Hospitals in Eastern Ontario. Two wood-burning obsolete furnaces in the staff residence were replaced by modern coal-burning furnaces.

Our staff during the year has functioned satisfactorily.

ONTARIO HOSPITAL, HAMILTON

DR. J. S. STEWART, M.D., Superintendent

CARE AND TREATMENT OF PATIENTS:

During the year, metrazol therapy was commenced, at this hospital, treatment being carried out by Dr. J.A. Cummins, under the supervision of Dr. Norman Easton. This has stimulated the interest in the care of patients and I am pleased to report that our results are comparing favourably with those obtained in and reported from other hospitals.

The number of patients in boarding-out homes did not materially increase during the year. There was an advance of two only. Boarding-out and probated patients, wherever possible, are followed up by a nurse—the social worker of the Mental Health Clinic, and her service has been very beneficial. No change has been made in the policy toward occupation of patients as a therapy measure.

STAFF, ADMINISTRATION AND BUILDINGS:

Dr. D.R. Easton was transferred to the Psychiatric Hospital, Toronto, and Dr. W.S. Campbell reported for duty as graduate interne on July 4, 1938

No change has been made, in the training of personnel in the hospital, during the past year.

As in previous years, the regular meeting of the Hamilton Academy of Medicine was held at this hospital. This consisted of an afternoon meeting, in which Dr. Cummins read a paper on matrazol treatment, and presented case histories. Clinical demonstrations were held at the hospital for the senior classes of nurses-in-training from the following hospitals: Brantford General Hospital, St. Catharines General Hospital, Hamilton General Hospital, St. Joseph's Hospital, Hamilton.

Dr. Brillinger, Director of the Mental Health Clinic, delivered a course of lectures at the above general hospitals and also delivered numerous lectures to societies and social agencies.

No new building was done during the year, other than the completion of fire escapes from the nurses' residence.

ONTARIO HOSPITAL, KINGSTON

E. A. CLARK, M.D., Superintendent

THE CARE AND TREATMENT OF PATIENTS:

The number of patients in residence has shown a moderate increase over the previous year, and the number of first admissions is about the highest in the history of the hospital. By far the majority of patients were admitted on the certificates of two physicians, and there has been a noticeable increase in the number coming to hospital by voluntary application.

During the year no epidemics of any moment affected the patient population, and no more than the usual number of acute physical illnesses were evident. The practice of routinely examining all new admissions for pulmonary tuberculosis, including x-ray examination, and the immediate isolation of all suspected or active cases, has been a distinct advance in the handling of this disease, and in the prevention of its spread to others.

During the year, the use of metrazol in the treatment of selected cases was commenced, and proved of particular value in the treatment of depressions. No untoward complications have occurred in the course of treatment.

A full-time dentist and a dental nurse were added to the staff, with a corresponding increase in the efficiency of the work of this department. Routine dental x-ray examination is being carried out in certain groups and types of patients.

Equipment for sound pictures was installed during the year, and was fully appreciated by all the patients.

STAFF, ADMINISTRATION AND BUILDINGS:

Dr. C.A. Cleland, Senior Assistant Physician, and Dr. H. D. Wilson were transferred, temporarily, for post-graduate work in Toronto. Miss Margaret Irvine Chief Occupational Therapist, resigned, and the position filled by Miss Mary Campbell, formerly of the staff of the Ontario Hospital, Whitby. A number of our nursing and attendant staff were elected for transfer to the Ontario Hospital, St. Thomas, on the opening of that institution.

A fairly active program of work has been carried out by the hospital maintenance staff and by the Public Works Department. Additional new windows have been installed; changes made in the heating system in a portion of the hospital including installation of stokers, and a complete renovation of the root-house. The kitchen of the farm cottage was practically rebuilt. The laying of new floors in the dining-rooms and other portions of the Main Building has been almost completed, and painting and decorating, both inside and out, has been carried on.

ONTARIO HOSPITAL, LONDON

G. H. STEVENSON, M.D., Superintendent

CARE AND TREATMENT OF PATIENTS:

In spite of continued and still further over-crowding, which will be relieved by the transfer of patients to the new hospital in St. Thomas in the near future, our treatment facilities have been exercised to their full capacity, and letters and comments from many grateful patients and their families indicate that many patients have been restored to health. Although the admissions increased to 500 from 484 the previous year, the discharges held up well, being 308, a discharge rate of 62% based on admission.

The most important change in treatment facilities during the year was the commencement of a metrazol treatment clinic in May 1938, and at the close of the year we are definitely of the opinion that considerable value has resulted from this method of treatment, in some cases the recoveries being almost miraculous.

STAFF, ADMINISTRATION AND BUILDINGS:

Dr. Milne, who has given excellent service as a part-time dentist for a number of years resigned on July 15, 1938, and was replaced by a full-time dentist in order that still more care could be given to the dental needs of our patients.

Affiliate courses in Psychiatric Nursing for under-graduate students from general hospitals which began last year are being continued, and in addition post-graduate courses of three months' duration were commenced on April 7, 1938, and are being well received.

All departments in the hospital continued to give efficient and loyal service to the patients entrusted to our care, and every department is made to realize that it has some part to play in the restoration to health of the mentally sick. I would like to express my commendation of the high quality of service rendered throughout the hospital.

The following staff changes took place during the year:

Dr. C. H. Wilson, was transferred on May 11, 1938, from Ontario Hospital, New Toronto to London and to Ontario Hospital Fort William, on June 25, 1938. Dr. W.J. Earle was appointed on November 1, 1938 and Dr. J.J. O'Connell on November 14, 1938. Dr. Allan Milne resigned on July 15, 1938 as part-time dentist. Dr. D. R. Parkes, dentist was appointed on July 18, 1938 and on August 14, 1938 transferred to Dental Service Branch. Dr. H. J. Fahey, dentist, was appointed on August 17, 1938. Dr. W. P. Tew, consultant in gynaecology was appointed on April 1, 1938 and Miss Mary B. Doyle, social service worker, resigned on May 5, 1938.

ONTARIO HOSPITAL, NEW TORONTO

T. D. CUMBERLAND, M.D., Superintendent

CARE AND TREATMENT OF PATIENTS:

During the year it was possible to get more patients employed at various different kinds of work around the institution. There are more patients employed in the mending rooms. There is a considerable increase in the number working outside. It has been of great benefit to the patients and at the same time we are able to increase the amount of vegetables and fruit at the institution and beautify the grounds.

Insulin and metrazol started the previous year have been continued throughout the year. The results are encouraging. Other specific treatment was also carried out. A moving picture machine was purchased and this besides the regular dances was distinctly beneficial to the patients and very much enjoyed by them.

STAFF, ADMINISTRATION AND BUILDINGS:

There were some changes in the senior and junior members of the staff during the fiscal year. The regular repair work was carefully carried out during the year. The new power house is in operation.

ONTARIO HOSPITAL, ORILLIA

S. J. W. HORNE, M.D., Superintendent

CARE AND TREATMENT OF PATIENTS:

The general health of the patient population was satisfactory throughout the year. There were less acute physical illnesses. The regular visit of our neurologist not only added great stimulus to the clinical aspect of the work, but the research associated with the same has been of considerable value to the institution. Both the medical staff and dietitian have carried out a series of experiments with special diets with their various vitamin contents with groups of the younger children. Some very valuable information has been obtained from this work, which showed its effect in benefitting the general health of these patients.

The second annual tuberculin survey was completed in February 1939.

There were no important changes made in the school programme, that of the previous year being followed with a large measure of success. In June the resignations of Miss MacKerroll, Miss Gayton and Miss Willard were received with regrets, as they had given many years of excellent service on our teaching staff. We were fortunate in having them replaced with Miss Cameron, Miss Watson and Mr. McQuay, who have adapted themselves very readily and efficiently to our school programme. The high light of the school year was the Christmas entertainment. Under the supervision of the the teaching staff "Snow White and the Seven Dwarfs" was most effectively portrayed. The school enrolment for the year was 230. There were 68 new admissions to the academic school and 68 were promoted to the occupational school.

Our recreational programme had to be enlarged to the extent that it was necessary to provide an assistant for our physical instructor. All programmes were complete and active throughout all seasons. This included organized recreation and sports such as football, lacrosse, softball, volleyball, basketball, swimming, hockey, skating, tobogganing, etc.

As formerly, teams were arranged in all cottages and competitive games in the various branches of sports were held throughout the season. The highlight of the recreational program was the annual picnic in June, which included a parade, races and various types of contests so arranged that every child had an opportunity to participate. The day was brought to a close with patients and staff partaking of a picnic supper on the lawn. As formerly, summer camp was operated during the months of July and August. This is continually adding stimulus to our boys' work.

The occupation of patients is becoming a greater problem each year, owing to the fact that the larger percentage of our admissions fall into the low grade group. Special training programmes had to be instituted to take care of this problem. This was done by gradually extending our garden programme and by choosing special attendants to train these boys in gardening pursuits.

Our main outlet for probating girls has been through the Colony Houses in Toronto and we have had the same success as previous years. As a matter of fact, I feel that this has been the most satisfactory method of probating feebleminded girls and I would like to pay tribute to the Director and her assistants of the Haven for the very excellent work and co-operation they have given us.

Probations among the male patients have not been so successful, as, owing to the number of low grade admissions, we have not had as many boys that could be trained for farm work. These have had to be absorbed in our own institutional programme.

As previously reported, the change in the type of patient admitted has resulted in marked changes in our training programme. These changes in programmes were followed through during the fiscal year. I feel that too much credit could not be given to the various members of the hospital school staff who have entered whole-heartedly into the new training policy and it is to them that the success that we have had in training low grade patients is due.

STAFF, ADMINISTRATION AND BUILDINGS:

Miss Alma MacKerroll, Miss Fern Gayton and Miss Dorothy Willard resigned from the teaching staff and were replaced by Miss Dorothy Cameron, Miss Mary Watson and Mr. Clarence McQuay.

Dr. John Corbett and Dr. Leonard Mitton were appointed to the dental staff on the resignation of Dr. Hinds and the transfer of Dr. Frank Kohli to the Department of Health in Toronto, as Director of Dental Services.

The regular routine training programme for newly appointed nurses and attendants was conducted. The training school for nurses is still maintained, graduation exercises being held in the month of June.

The usual clinics and demonstrations were given to the various groups of medical and psychological students, occupational therapists, auxiliary teachers and social service workers.

As stated before, special work was done with various vitamins in association with the smaller children, this under the supervision of our medical staff and dietitian. It was found that the various vitamin groups were not contained in sufficient quantities in the ordinary foods to balance the metalbolism of certain groups of children. As a result, the diets supplemented with the various deficient vitamins were responsible for alleviating several of the odd and peculiar skin conditions that had presented themselves.

A policy of retrenchment was adopted during the fiscal year, no capital expenditures being made in the way of additions or increased patient accommodation.

ONTARIO HOSPITAL, PENETANGUISHENE

C. A. McCLENAHAN, M.B., Superintendent

CARE AND TREATMENT OF PATIENTS:

The population is somewhat lower during the year with sixty-two being admitted, and fifty-six discharged. With the completion of the tuberculosis survey all affected patients (65) were isolated — (a) Female patients in Ward 2, (b) Male patients upstairs in Cottage "A", and in part of Ward "D" in the new building. Two patients died of this disease during the year. This arrangement lessened our former bed accommodation, but recently additional dormitory space for ten female patients has been made available on Ward 5.

Our x-ray machine was overhauled, made shock proof, and some new attachments purchased, and can now be used, not only for all general work, but also for dental requirements. A more thorough record of all patient medication is now in use in all wards.

At the Criminal Insane Division the school has continued to function for a limited number of patients. The work of the Occupational Therapy Department here was interfered with somewhat by injury of the instructor who fractured his right forearm skating.

The knitting machine is working daily, refooting all our cast socks, and should lessen our costs in this item. In January 1938, fifty books were added to our library, and this with the purchase of additional magazines and periodicals distributed by the occupational therapist, has improved the reading facilities for the patients.

The Dental Clinic is held six to eight days a month, and more systematic individual care is being exercised over the patients as each has been given a tooth brush which is kept on a dental board in each ward, and used daily under staff supervision.

A method of sterilization of all dishes in wards and dining rooms was instituted.

In addition to occupational therapy classes which are well attended patient help is utilized by all artisans, and as farm and garden help.

The usual programme of sports was followed throughout the year with the sound pictures being greatly enjoyed.

There was nothing unusual in our plan of boarding-out patients except the return of three patients (1 male and 2 female as a result of the tubercular survey.

STAFF, ADMINISTRATION AND BUILDINGS:

Staff changes have been few. Additional employees were required when isolation wards for tubercular patients were opened up. The hours of night staff were reduced by giving them rest periods each night.

Mr. H. Baker of the Department has been acting as steward since the retirement of Mr. R. S. McLaughlin.

A series of lectures in psychiatry was given by the Superintendent to classes for St. Andrew's Hospital, Midland, and also attended by our own nurse-attendants.

In addition to ordinary repairs the engineering department in conjunction with the artisan staff completed the following, the construction of a series of nine cement standards (moulded here) with lights along the front of the main building and nurses' home which greatly improves the lighting and appearance of the grounds by night. Complete overhauling of the heating system with all traps being removed, tested and repaired.

The new store room was put in use with a new system of checking and distributing of the laundry so that cast is now largely being done there.

The herd has been increased to 30 by purchase of eight animals, and is now able to furnish sufficient supply for hospital.
Eight hundred tons of ice were packed during the winter months.

ONTARIO HOSPITAL, TORONTO

J. R. HOWITT, M.D., Superintendent

CARE AND TREATMENT OF PATIENTS:

During the past year the cafeteria system has been introduced into nearly all the wards with beneficial results.

The Social Service and X-ray Departments have been renovated and redecorated. Two old stairways, one on the male and one on the female side of the hospital, have been removed, as a result of which increased accommodation for the diet kitchen and utility cupboards has been provided on these wards.

We have also been able to provide a sitting-room for male patients in the basement, which has been of great benefit to those working about the hospital.

STAFF, ADMINISTRATION AND BUILDINGS:

During the past year, Mr. J. J. Kiernan had been appointed steward of the hospial. Dr. H. K. Moir was transferred to the Psychiatric Hospital and Dr. Harold Frank was transferred from the Psychiatric Hospital to this institution.

ONTARIO HOSPITAL, WHITBY

DR. D. R. FLETCHER, M.D., Superintendent

CARE AND TREATMENT OF PATIENTS:

We admitted during the year 651 patients. Our discharges as usual were well over 60 per cent and of this number in spite of the large number of admissions, the number of deaths was somewhat fewer than last year.

It is noted that we have boarding out and on probation 314 patients. This constitutes in itself a heavy burden for our Mental Health Clinic, and most of their time is quite properly taken up with looking after these patients, and continuing their treatment outside of hospital. Our usual active course of treatment has been proceeded with insofar as our staff will allow. We have added to our treatment this year the course of metrazol for those who might be benefitted, and while it is as yet too early to give any definite pronouncement upon this form of treatment, it does seem to have had the result of shortening the period of hospitalization in some cases.

We have continued our group therapy. I have taken the large group weekly with a series of talks in addition to our community singing. Dr. Cardwell, Dr. Gauld and Dr. Sweet with their special groups have done some excellent work. Dr. Goddard with the addicts has carried on a group campaign. In addition, individual psychotherapy has been given insofar as time permits. Our recreational, occupational and vocational groups have been very active all year. This sort of therapy takes a lot of staff, but is no doubt worth while.

We have continued to carry on an active teaching program. A special course of instructions for attendants was carried on through all the winter months. Our co-educational nursing school has continued to function, and several of our graduate nurses are taking post-graduate work. Our supper meeting talks have been continued during the winter season to different groups of staff, and I believe with the effect of improving the morale of the staff.

STAFF, ADMINISTRATION AND BUILDINGS:

Dr. W. D. Smith, who was with us for some time, was transferred to the Central Office, Department of Health, and latterly has taken over as superintendent of the Ontario Hospital at St. Thomas. Dr. S. R. Montgomery, who has been connected with this hospital for eleven years, latterly in the capacity of assistant superintendent, was transferred to the Ontario Hospital, St. Thomas, as assistant superintendent. Dr. W. A. Cardwell, O.B.E., takes his place here as assistant superintendent. Dr. T. A. Sweet returned to us from his post-graduate work at the Toronto Psychiatric Hospital, where he was successful in winning the gold medal. Dr. Marvin Wellman went to the Toronto Psychiatric Hospital to take post-graduate work. Dr. Graham left us on October 31st, 1938, to take up private practice in the city of Ottawa. Mr. William Irvine, supervisor, who has been a valued member of our staff for eighteen years, was promoted to be assistant chief attendant at the Ontario Hospital, St. Thomas. Mr. Fred Maguire, a valuable and esteemed member of our staff, died on March 4th. Dr. Harvey Gauld joined the staff as senior physician.

In presenting this report, I am glad to be able to pay tribute to the loyalty and co-operation of every member of the staff, who have made possible the completion of the large amount of work created by the movement of so many patients in our crowded condition.

ONTARIO HOSPITAL, WOODSTOCK

D. O. LYNCH, M.D., Superintendent

CARE AND TREATMENT OF PATIENTS:

Our patient population at the close of the fiscal year was 605, as compared to a total of 587 on the same date a year ago. The admissions for the year totalled 122, including 10 transfers from other hospitals. There were 74 patients discharged and of these 43.2 per cent were in the recoverable group (seizures controlled for a period of one year and upwards). There were 2 patients transferred to other hospitals and 25 were removed by death.

Therapeutic research in epilepsy was continued during the past year. The experimental intramuscular injections of a brain emulsion said to be of value in the treatment of epilepsy in children and carried on during the past two and a half years, was concluded. The only case, reported last year, as showing a favourable response, relapsed, and the other, thought to be a suitable case for this treatment because of her youth, showed no response.

Sodium diphenyl hydantoinate (Dilantin), reported by the discoverers (Doctors Merritt and Putnam of Boston—May, 1938) to be of great value in cases of epilepsy which had not responded to the usually accepted anticonvulsants, was commenced in a group of patients of this type in August, 1938. The majority of these patients are of fair to good mentality. Our results so far, while encouraging, have not been in keeping with those reported by Merritt and Putnam and several other writers. We, perhaps, put it to a more severe test as by our method of treatment by phenobarbital, the residual uncontrolled cases must be considered as very intractable to treatment. In a number of these cases not responding to dilantin, an experiment is being tried in supplementing it with gradually increased doses of phenobarbital and with satisfactory results up to this time. Dr. Pratt of our staff is presenting a preliminary report on this work with dilantin at the meeting of the Ontario Neuro-Psychiatric Association at Whitby on the 16th instant.

Last year, through the co-operation of Dr. B. T. McGhie and Dr. Samuel Hamilton it was my privilege to visit the State Hospital for Epileptics at Skillman, New Jersey, the Emma Pendleton Bradley Home at East Providence, Rhode Island, and the Monson State Hospital at Palmar, Massachusetts. Information of considerable value was obtained relative to the use of the electro-encephalograph, which equipment, we note with pleasure, is being provided in our new Children's Unit. Apart from the use of Brilliant Vital Red which is being carried out in a select series of patients at Monson, there was nothing new in the way of treatment, though experimenal work was being instituted with dilantin, the most recently introduced anticonvulsant (at Woodstock a series of experiments are being conducted using this new drug).

STAFF, ADMINISTRATION AND BUILDINGS:

Dr. F.S. Lawson, having returned from the Toronto Psychiatric Hospital, assumed his duties on October 1st, 1938.

Mr. Norman McAuley, chief engineer for many years, was transferred to the Ontario Hospital, New Toronto, on September 1st, 1938. He was succeeded by Mr. Douglas Hyslop, formerly chief engineer at the New Toronto Hospital.

Mr. Joseph Davidson, head laundryman at this hospital since the opening of our new laundry, was transferred to the Ontario Hospital, New Toronto, and was replaced by Mr. George Gordon, formerly in charge of the laundry at the Ontario Hospital, New Toronto.

During the year the following addresses were given: "Report of 116 Controlled Cases of Epilepsy Discharged as Recovered from the Ontario Hospital Woodstock" by Dr. D. O. Lynch (submitted for publication); and "Clinic in Epilepsy" by Dr. C.H. Pratt, delivered to the final year nurses at the Woodstock General Hospital. In addition twelve lectures on psychiatry were presented to the third year nurses at the Woodstock General Hospital.

The Children's Unit which was started in the fall of 1937 is now completed and at this date the equipment is rapidly being installed and the unit will be opened shortly for children from the ages of six to sixteen. The unit consists of an administration reception building, two buildings for the bedridden and two for ambulant cases. The kitchen and dining halls, which communicate by means of encloesd passageways with the reception building and cottages for the bedridden cases, complete the present construction program for this year. It is to be hoped that the auditorium and two buildings for the more disturbed types of patients will be started in the near future.

The unit, which is one-storey construction of buff-coloured bricks and red roof, presents a very pleasing appearance and facing south, overlooks the fertile valley of the Thames River. As well as being equipped with the latest facilities for diagnosis, X-ray and electro-encephalography, provision is also being made for physiotherapy, occupational therapy, academic instruction and recreation. Needless to say, the unit will provide much needed facilities for handling the problem of the juvenile epilpetic and will take care of approximately 325 patients.

Various repair items and alterations were completed during the year. The greenhouse was rebuilt.

Fifty-three radiator covers were installed. In the laundry a new stocking drier and new "Air-Way" drier were installed.

In concluding, may I express thanks for the loyalty and co-operation of the staff, and to the Departmental officers, my sincere appreciation for continued advice and assistance in all matters pertaining to the welfare of the hospital.

ANNUAL REPORT OF ONTARIO HOSPITALS CHEST CLINIC

YEAR ENDING MARCH 31st, 1939

The work of this clinic in the control and prevention of tuberculosis among the patients and staff of the Ontario Hospitals by means of chest X-rays and tuberculin tests, has been continued during the past fiscal year according to the plan described in the report for the previous fiscal year ending March 31st, 1938.

The table accompanying this report indicates the volume of work carried out by this clinic during the fiscal year ending March 31st, 1939.

It may be in order to mention that during the past fiscal year 846 staff applicants were examined radiologically and of these 15 or 1·8% were considered unsuitable for appointment because of pulmonary tuberculosis either active or questionably active, and 6 were accepted with reservations because of abnormal chest X-ray markings. Three thousand and ninety-eight new patients, including re-admissions, were examined radiologically and of this number 15 or 0·5% were recommended for transfer to the tuberculosis unit because of active pulmonary tuberculosis, and 57 or 1·9% were recommended for isolation and further investigation in their respective hospitals because of questionably active disease.

The following table indicates the status of tuberculous patients in all Ontario Hospitals as it existed near the end of the fiscal year ending March 31st, 1939.

	Male	Female	Total
Number in T. B. Units at New Toronto & Concord	148	152	300
Number under isolation at the various Ontario Hospitals awaiting transfer to the T. B. Units	84	28	112
Number under segregation for further investigation at the various Ontario Hospitals (suspected active tuberculosis, many of whom will require to be transferred)	360	326	686
Total	592	506	1,098

This clinic undertakes the re-examinations or arranges for the re-examinations upon all Ontario Hospital employees during their convalescence following discharge from sanatoria. The clinic also performs artificial pneumothorax refills upon those employees discharged from sanatoria where they require these treatments and where it is convenient for them to come to New Toronto. There is close co-operation between this clinic and the Division of Tuberculosis Prevention regarding the after-care of members of staff discharged from sanatoria.

Since July 1938 Dr. C. A. Wicks has been on loan to the Division of Tuberculosis Prevention and in addition to his regular work in that division has been acting in an advisory capacity for the work of this clinic.

The co-operation and assistance received from the superintendents and their staffs has been of great help in completing this work. Dr. G .C. Brink and members of the Chest Consultant Board have continued to take a very active interest in this service and to these individuals we express our appreciation.

ANNUAL REPORT OF ONTARIO HOSPITAL SCHOOLS OF NURSING

MISS ESTHER A. ROTHERY, Reg. N., Supervisor of Nursing

The following is a brief report of the Ontario Hospital Schools of Nursing during the year 1938-1939.

Health Supervision:

As heretofore, this includes necessary immunization against diphtheria, scarlet fever, typhoid fever and small-pox, during the preliminary term. Physical examination, including laboratory tests and chest X-rays, is done on entrance, before and after affiliation and on completion of training. As a part of the tuberculosis programme, tuberculin tests are done on entrance. Negative reactors are repeated when the clinic visits the hospital approximately every five months, and before and after affiliation.

Enrolment of Students:

To help meet the demand for nurses with psychiatric training, the student enrolment has been increased. On completion of the preliminary term of five months, 139 students were accepted into the schools in 1938. Every effort has been made to select suitable candidates who meet the present educational requirement.

Course for Men Nurses:

Eight of the students admitted in 1937 commenced the affiliate course of one year at the Toronto General Hospital in October, 1938. They will return to the Ontario Hospital, Whitby, for the final year of study. A second class of twelve men was admitted to the school at Whitby in September 1938.

General Hospital Affiliation:

The affiliating general hospital schools have been most co-operative and are giving our students excellent courses. They have, also, increased the affiliate classes. At the beginning of 1939, arrangements were made for the affiliation of 123 students during that year.

Psychiatric Affiliation:

The affiliate course which was arranged at the Ontario Hospital, London, in October, 1937, has continued very satisfactorily. Two additional general hospital Schools of Nursing — Owen Sound and Woodstock — are sending students for the course, making a total of seven schools.

The Ontario Hospital, London, also instituted a three-months' post-graduate course comparable to the above mentioned affiliate course, in April 1938, to help meet the need for more psychiatric nurses.

University Post-Graduate Courses:

The Departmental policy of the past few years regarding post-graduate work for senior members of the Ontario Hospital nursing staffs, has been continued. In 1938, seven nurses completed the one-year course in Teaching and Supervision in Schools of Nursing, at the School of Nursing, University of Toronto. Five more members of the staff entered the course in the autumn of the same year.

All of these nurses remain in our Schools of Nursing and make splendid contributions in teaching and supervisory posts.

ONTARIO HOSPITAL POPULATION STATISTICS ANNUAL REVIEW - 1939

A. HARDISTY SELLERS, M.D., D.P.H., Medical Statistician

This is the first occasion upon which a brief statistical review of Ontario Hospital population statistics has been attempted as part of this Report. In future this plan can be extended to clinical and administrative advantage. The present statement includes a resume of the work of the Division of Medical Statistics together with a note on the arrangements in effect for collecting and tabulating data, and any changes in procedure introduced during the year. A commentary on some of the statistical highlights follows.

THE WORK OF THE DIVISION OF MEDICAL STATISTICS

The existing statistical machinery in Ontario Hospitals is such that each institution submits to the central Department: (a) a monthly statement indicating the movement of patient population during the month, and (b) a complete annual statistical report comprising 35 tables. These two sources of information, together with special reports of admissions, discharges, probations, transfers, deaths, laboratory work, dental services and accidents, provide the raw data available for administrative and research needs and are the basis for the Annual Report.

Statistical treatment of these sources of information is the responsibility of the Division of Medical Statistics. To this responsibility increasing attention is being given with the object of making full use of all statistical data compiled. Checking, tabulation and analysis of the data and the preparation of monthly and annual statistical reports are routinely undertaken and considerable time is devoted to special studies for clinical and administrative purposes.

(a) Recording and Tabulation

On April 1st, 1938, the revised classification of mental disorders approved by the Council of the American Psychiatric Association in 1934, was introduced into Ontario Hospitals. This new nomenclature was provided for on the revised annual report schedules beginning with the fiscal year ending March 31, 1939 — the year covered by the present Report.

During 1939, the annual report forms used in all Ontario Hospitals were revised and extended in order to provide for additional information on method of admission, and further details re discharges and deaths. For the first time, data on discharges and deaths among first and re-admissions separately, are required. This change is perhaps the principal feature of the detailed tables which comprise the statistical section of this Report. Other changes were introduced, modifying previous practice on the basis of experience and making available data of practical value. Subdivision of the in-residence population into first and re-admissions, has not been achieved as yet.

In keeping with the revision of the annual report forms, a Memorandum on the use of these schedules was prepared with a view to facilitating their use by hospital personnel and assuring uniformity of the compilations in each institution. This Memorandum incorporates definitions of the terms used in the report forms and was prepared specifically for Ontario needs, supplementing in this way the manual issued by the National Committee for Mental Hygiene. This effort should serve to assist both the hospital and in the central office staff in the compilation of the required data.

In the light of administrative needs, the monthly report forms were also revised during the year, providing for the specific designation of method of admission and greater specificity in population movement. During the year considerable use has been made of the information made available in this way.

The admission and discharge cards were also revised during the year, convenience in form and arrangement being secured. The order of presentation of facts on these cards is now similar to that followed in the statistical face sheet of the various official hospital forms. The new arrangement has been found by the Institutional Statistics Branch of the Dominion Bureau of Statistics to be distinctly advantageous.

(b) Reports and Analyses

The preparation of special monthly reports on the movement of population, accidents, bed occupancy, etc., in each institution together with other supplementary periodic analyses of admissions, discharges and population trends which are of administrative interest, are responsibilities to which increasing time is being devoted by the Division. It is planned to extend the scope of this work so that greater use may be made of the statistical material now available. However, the plan now in effect is such that the essential facts supplied by hospitals are put to effective use.

The first bulletin on Ontario Hospital Statistics was issued on March 16, 1939 and dealt with the trends in patient population in each Ontario Hospital during the past twenty-five years. A second bulletin on population movement during the calendar year 1939 was also prepared, indicating the necessary adjustments brought about since August. The preparation of regular statistical bulletin releases for the information of Superintendents is desirable but such a program must be developed slowly. The time required in the preparation of data is significant and a controlling factor.

(c) New Tabulations in the Present Report

In the present statistical report, a slightly different arrangement has been effected. All rate tables and trends have been embodied in a Statistical Review which follows. All detailed tables are presented at the back of the Report.

As a result of the revision of the statistical returns in 1938, many new tables are included. These comprise: detailed movement of population by hospital, movement of population in boarding homes and on probation, method of admission of first and re-admissions by hospital, first admissions by diagnosis and hospital, summary of admissions, discharges and deaths by diagnosis divided into first and re-admissions, disposal of first and re-admissions for selected psychoses, re-admissions by present diagnosis and condition on previous discharge, discharges by age and diagnosis, discharges by condition on discharge divided into first and re-admissions, discharges by method of admission and condition on discharge, deaths by total duration of hospital life and deaths by diagnosis divided into first and re-admissions. It is planned in future to develop a selected series of summary tables for each hospital, for inclusion in the Report.

Special tables for the Ontario Hospital Woodstock have been re-introduced in the present Report, these as well as the series for the Ontario Hospital School at Orillia being modified from previous years.

The incorporation of considerable data on re-admissions as well as first admissions is a feature of this Report. For instance, data on place of birth, length of residence in Canada previous to admission, citizenship, and diagnosis are given for first and re-admissions separately. This division extends also to many of the new tables introduced this year, being applied to discharges and deaths as well as to admissions.

STATISTICAL REVIEW

The trends in patient population and certain of the highlights of the detailed statistical tables presented on pages 43 to 124 of this Report are indicated in the brief review which follows. All of the calculations presented are based on data included in the detailed tables in the back of this Report. Data for the tables presenting trends were detailed from Reports for the corresponding years.

Trends in Patient Population

The volume of patients under the supervision of Ontario Hospitals continues to increase. While the interpretation of such increases requires exhaustive study and data which for earlier years are in the main not available, here or elsewhere, it is worth while to consider the observed trend in broad general terms. Table I presents the trend in patient population in residence and on the books, from 1926 to 1939 inclusive. The case volume is expressed as a rate per 100,000 population.

TABLE I

TRENDS IN PATIENT POPULATION — ONTARIO HOSPITALS

1926 — 1939

Year	In Residence†		On Books x	
	Number	Rate*	Number	Rate*
1926	9,441	298	9,656	305
1927	9,325	290	9,708	302
1928	9,467	289	9,775	298
1929	9,704	291	10,032	301
1930	10,060	297	10,390	307
1931	10,488	306	10,930	318
1932	11,052	318	11,498	331
1933	11,578	325	12,236	343
1934	12,068	333	12,883	355
1935‡	12.314	335	12,879	351
1936	13,142	356	13,868	376
1937	13,487	363	14,288	385
1938	14,056	377	14,736	395
1939	14,247	380	15,196	405

† Includes patients boarded out from 1934
x Includes patients in residence and on probation
* Per 100,000 population
‡ Five month period.

In a fourteen year period, the number of patients on the books of Ontario Hospitals has increased from 9,656 to 15,196 or from a rate of 305 to 405 per 100,000 population. This is a 30 per cent increase, independent of population. Observations admission age show that such changes in population structure as have occurred during the past twenty years have in themselves favoured a small increase in patients. It cannot be assumed, however, that the remainder of the recorded increase (the great bulk of it) reflects a corresponding increase in the prevalence of mental disorder in the province. The recorded figures are determined in large measure by extension of hospital accommodation and facilities.

Patients on Probation and in Boarding Homes

The first patients were placed in boarding homes from Ontario Hospitals in 1933 and up to March 31, 1939, a total of 1,524 patients had been so placed. Of these 545 were still in boarding homes, 463 were in residence, 76 on probation and the remainder either discharged or dead. The relationship between the number of patients in boarding homes and the number in residence, on probation and on the books is given in table II. In these figures, patients in Colony Houses are included with patients in residence.

TABLE II
PATIENT POPULATION — ONTARIO HOSPITALS
1931 — 1939

YEAR	Patients In Residence		Patients On Probation		Patients Boarded Out		TOTAL ON BOOKS
	Number	Per Cent	Number	Per Cent	Number	Per Cent	
1931	10,488	96.0	442	4.0	0	—	10,930
1932	11,052	96.1	446	3.9	0	—	11,498
1933	11,578	94.6	658	5.4	0	—	12,236
1934	11,830	91.8	815	6.3	238	1.9	12,883
1935	12,042	93.5	565	4.4	272	2.1	12,879
1936	12,750	91.9	726	5.2	392	2.8	13,868
1937	13,019	91.1	801	5.6	468	3.3	14,288
1938	13,574	92.1	680	4.6	482	3.3	14,736
1939	13,746	90.5	940	6.2	501	3.3	15,196

1931 - 1934 - Years ending October 31st.
1935 - Five month period - Nov. 1st, 1934 to March 31st. 1935
1936 - 1939 - Years ending March 31st.

In 1931 all but four per cent of the patients on the books were in residence. In 1939, almost ten per cent were either on probation or boarded out. The number in boarding homes has increased steadily from 1933 and there is no evidence of any reduction in probationers as a result.

..Distribution of Patient Population by County or District of Residence

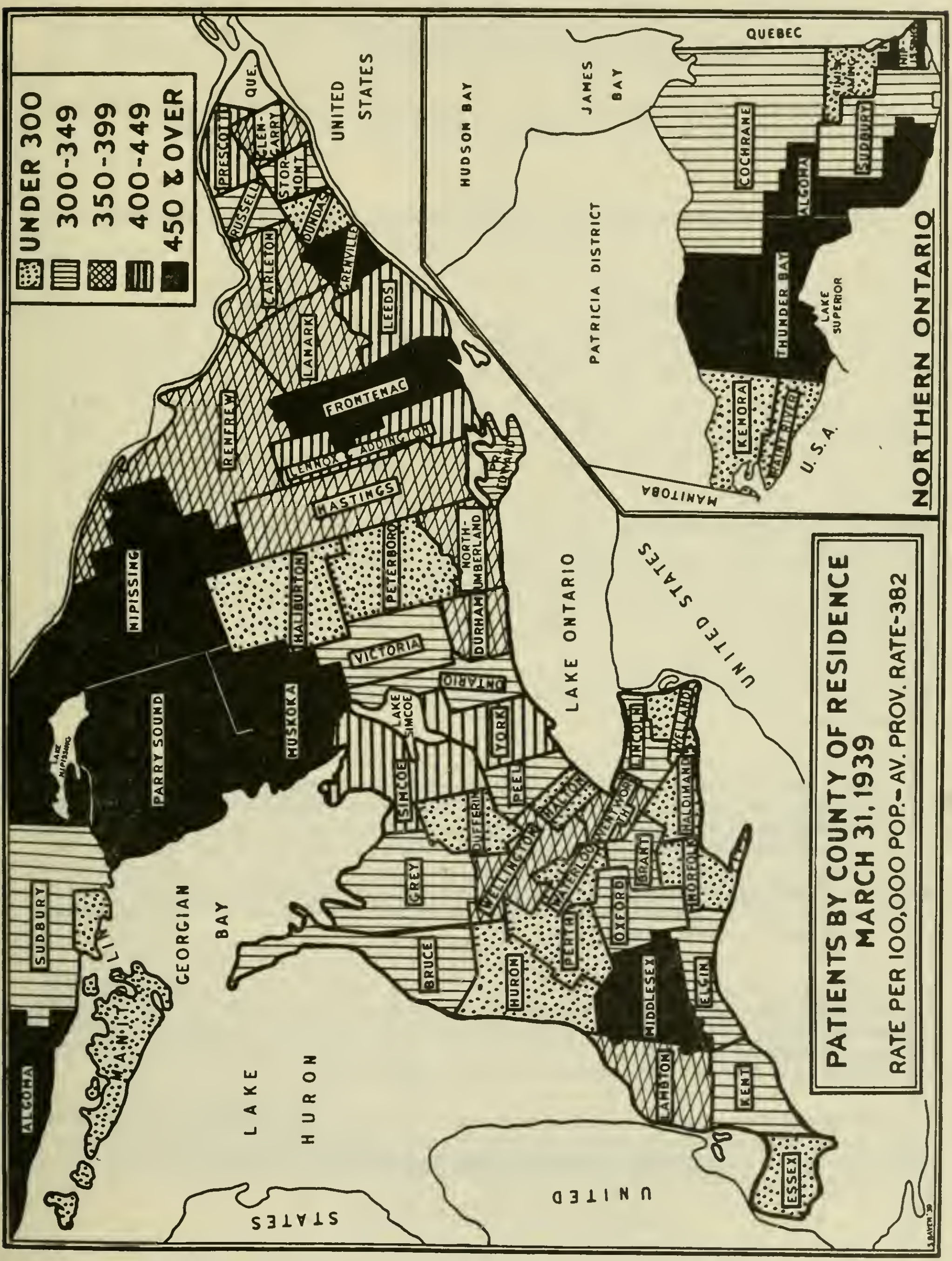
The distribution of the patient population in hospital at the end of the year by county or district of residence is given in detailed table 7. The case rates in this table, expressed per 100,000 population, indicate the substantial variations from area to area.

The general nature of the observed geographic differences is shown in figure I, in which the counties and districts are grouped according to the number of patients in residence at the end of the year per 100,000 population.

The high position of Algoma, Thunder Bay, Nipissing, Parry Sound and Muskoka is difficult to understand — the age distribution of the population in these areas is younger than any where in Southern Ontario. Curious, too, are the differences observed in the forty-four counties — Middlesex, Frontenac and Grenville are high, while Perth, Peterborough and Dundas are low.

A study by ages over a five year period would eliminate irregular fluctuations seen from year to year as well as the influence of age. This at least is required in assessing the significance of the observed differences.

FIGURE I


UNDER 300
300-349
350-399
400-449
450 & OVER
NORTHERN ONTARIO
HUDSON BAY
JAMES BAY
PATRICIA DISTRICT
QUEBEC
COCHRANE
TIMISKAMING
NIPISSING
SUDBURY
ALGOMA
THUNDER BAY
LAKE SUPERIOR
KENORA
RAINY RIVER
U.S.A.
MANITOBA
UNITED STATES
QUE.
PRESCOTT
GLENGARRY
RUSSELL
STORMONT
DUNDAS
CARLETON
GRENVILLE
LEEDS
LANARK
RENFREW
FRONTENAC
LENNOX & ADDINGTON
PR. EDWARD
HASTINGS
NORTHUMBERLAND
PETERBORO
HALIBURTON
VICTORIA
DURHAM
ONTARIO
LAKE SIMCOE
YORK
PEEL
SIMCOE
MUSKOKA
PARRY SOUND
LAKE NIPISSING
DUFFERIN
HALTON
WENTWORTH
LINCOLN
WELLAND
HALDIMAND
NORFOLK
BRANT
WATERLOO
WELLINGTON
GREY
BRUCE
HURON
PERTH
OXFORD
MIDDLESEX
ELGIN
LAMBTON
KENT
ESSEX
LAKE ONTARIO
GEORGIAN BAY
MANITOULIN
LAKE HURON
UNITED STATES

PATIENTS BY COUNTY OF RESIDENCE
MARCH 31, 1939
RATE PER 100,000 POP.—AV. PROV. RATE-382

The Age Distribution of the Patient Population

Considerable interest attaches to the age at which persons are admitted to hospitals for the care of mentally ill, mentally defective and epileptic patients, and to the age structure of the patient population on a stated date compared with the population at risk as a whole.

In table III the age distribution in broad groups of the patients in residence at March 31, 1939 is compared by sex with the estimated distribution for the province.

TABLE III
AGE DISTRIBUTION BY SEX — RESIDENT POPULATION AND PROVINCE
MARCH 31, 1939

AGE	MALES				FEMALES			
	Ontario Hospitals		Province		Ontario Hospitals		Province	
	No.	%	No.‡	%	No.	%	No.‡	%
Under 15.	301	4.2	528,947	27.8	196	2.8	513,591	28.1
15 — 24..	888	12.3	338,054	17.8	814	11.6	325,134	17.8
25 — 34..	1,262	17.5	287,669	15.1	1,008	14.3	274,086	15.0
35 — 44..	1,540	21.4	265,045	13.9	1,361	19.3	251,764	13.8
45 — 54..	1,423	19.8	216,941	11.4	1,434	20.4	200,349	10.9
55 — 64..	1,063	14.8	139,176	7.3	1,204	17.1	134,848	7.4
65 & over.	714	9.9	124,918	6.6	1,009	14.3	129,542	7.1
Not stated	14	—	570	—	16	—	366	—
ALL AGES	7,205	100.0	1,901.320	100.0	7,042	100.0	1,829,680	100.0

‡ Estimated

Almost half the population of Ontario is under 25 years of age compared with only one sixth of the patients. In the age group 35-54 years, which comprises roughly one quarter of the population of each sex at risk, there are 41·2 per cent of all male patients and 39.7 per cent of female patients. At ages 55-64, the disproportion is especially marked —the proportion of patients of each sex being twice that observed in the population as a whole. These observations are merely manifestations of variation in risk of mental illness or disorder — or more strictly admission to hospital therefor — with increasing age. Reference is made to this below.

Table III illustrates a further point. The ratio of males to females among patients in residence is considerably in excess of unity up to age 44, and considerably below unity at ages 55 and over. At ages 45-54 the two sexes are evenly balanced in the patient group. Variations by sex in the population are small and are those usually observed, with slight male excesses persisting up to the old age groups.

Expressing first admissions during the year and patients in residence at the end of the year as rates per 1,000 population, a crude measure of the *risk* of admission or hospitalization can be ascertained. Such rates are given in table IV.

TABLE IV

FIRST ADMISSIONS AND PATIENTS IN RESIDENCE BY AGE
YEAR ENDING MARCH 31, 1939

AGE	Population†	FIRST ADMISSIONS			PATIENTS IN RESIDENCE		
		Number	%	Rate*	Number	%	Rate*
Under 15	1,042,538	176	6.7	0.17	497	3.5	0.48
15 — 24	663,188	464	17.7	0.70	1,702	12.0	2.57
25 — 34	561,755	495	19.0	0.88	2,270	15.9	4.04
35 — 44	516,809	483	18.5	0.93	2,901	20.4	5.61
45 — 54	417,290	394	15.1	0.94	2,857	20.1	6.85
55 — 64	274,024	288	11.0	1.05	2.267	15.9	8.27
65 and over ..	254,460	311	11.9	1.22	1,723	12.1	6.77
Not stated	936	1	—	—	30	0.2	—
ALL AGES ..	3,731,000	2,612	100.0	0.70	14,247	100.0	3.82

† Estimated Population for 1938
* Per 1,000 Population at ages

The first admission rate increases steadily with age, reaching 1·22 per 1,000 at ages 65 and over. At all ages the rate is 70 per 100,000 population. For patients in residence (includes patients boarded out) the picture is generally similar, except that the peak lies in the age group 55-64 years. It should be noted that the rates for patients under 15 years are not basically comparable with those for other groups since the whole population under 15 years is not at risk. The true rates would be much higher than those shown in table IV.

Figure II illustrates the variations in first admission and in residence rates with age, presented in table IV.

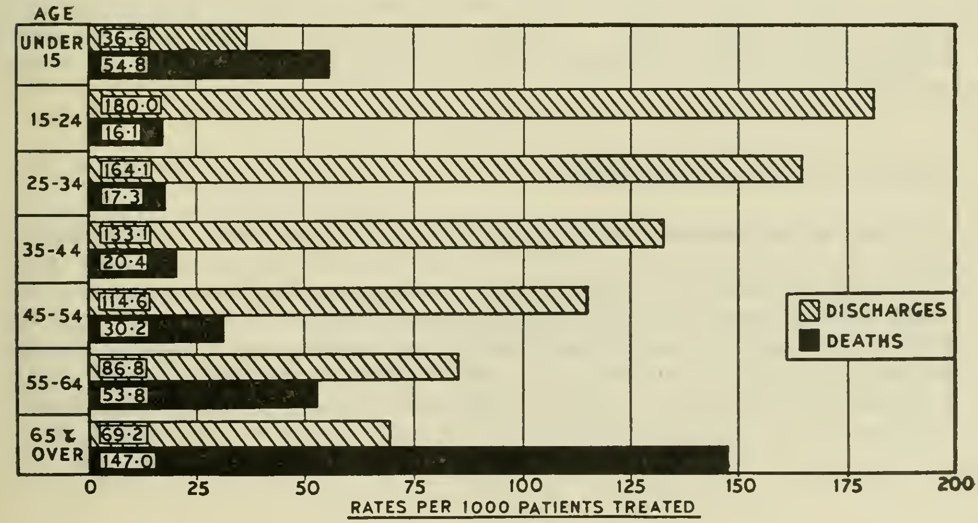


FIGURE II
FIRST ADMISSIONS AND PATIENTS IN RESIDENCE BY AGE

Errata

Figure II on page 29 and figure IV on page 38 are transposed. Titles are correct.

The percentage distribution of first admissions and patients in residence by age (table IV) reflects both relative admission frequency and discharge rates. The distribution by five year age groups can be obtained from the detailed tables. The percentages are given in table V.

TABLE V

FIRST ADMISSIONS AND PATIENTS IN RESIDENCE
PERCENTAGE DISTRIBUTION BY AGE

AGE GROUP (Years)	First Admissions	Patients In Residence	AGE GROUP (Years)	First Admissions	Patients In Residence
Under 15 ..	6.7	3.5	50 — 54	6.9	9.8
15 — 19 ...	9.0	5.5	55 — 59	5.6	8.7
20 — 24	8.7	6.5	60 — 64	5.4	7.2
25 — 29 ...	10.0	7.2	65 — 69	3.9	5.4
30 — 34 ...	9.0	8.7	70 & over	8.0	6.7
35 — 39 ...	9.8	10.0	Not stated	—	0.2
40 — 44 ...	8.7	10.4	TOTAL	100.0	100.0
45 — 49 ...	8.2	10.3	NUMBER	2,612	14,247

Of 2,612 first admissions during the year, 6.7 per cent were under 15 years of age, 15.7 per cent were under 20 and 17.3 per cent were among persons 60 years of age and over. Two thirds of all first admissions therefore, were among persons 20-59 years of age. In contrast, 19.3 per cent of all patients in residence were 60 years and over and 9.0 per cent only under 20 years. Differences are related to the high death and discharge rates (in relation to numbers treated), in the age groups under 15 and 70 years and over.

Patients In Residence by Diagnosis

Trends in first admission rates cannot be considered "free" trends. Admissions to hospital for mental disorders are influenced by factors other than the incidence or prevalence of such conditions in the population. Perhaps some guidance in respect to the cruder changes (if any) in the nature of the patient population by diagnosis, may be secured from the trend in the various "types" of case remaining in residence on a specified date. In table VI such data are presented for selected diagnostic groups covering the years 1934-1939 inclusive. Rates are expressed per 100,000 population (estimated).

TABLE VI

PATIENTS IN RESIDENCE BY DIAGNOSIS

1934 - 1939*

DIAGNOSIS	1934	1935	1936	1937	1938	1939
	NUMBER OF PATIENTS					
Dementia Praecox	5,583	5,705	5,865	6.017	6,229	6,392
Manic-Depressive Psychoses	1,098	1,120	1,256	1,273	1,282	1,256
Psychoses with Mental Deficiency	596	634	646	609	638	622
Senile Psychoses	418	401	444	441	446	446
Epileptic Psychoses	400	404	409	421	448	416
Mental Deficiency without Psychosis.	—	—	2,183	2,375	2,536	2,736
G.P.I. and Cerebral Syphilis	383	395	449	462	507	512
Psychoses with Cerebral Arterioscler.	269	285	318	315	337	328
Involutional Psychoses	250	251	266	264	284	248
Paranoia and Paranoid Conditions	181	181	196	218	221	230
Alcoholic Psychoses	55	58	81	85	87	67
Alcoholism without Psychosis	—	—	16	22	23	21
Epilepsy without Psychosis	—	—	592	473	504	522
All Other‡	2,835	2,880	421	516	514	451
TOTAL	12,068	12,314	13,142	13,487	14,056	14,241

DIAGNOSIS	RATES PER 100,000 POPULATION					
Dementia Praecox	156.7	159.3	162.9	161.3	167.0	170.4
Manic-Depressive Pyschoses	30.8	31.3	34.9	34.5	34.4	33.5
Psychoses with Mental Deficiency	16.7	17.7	17.9	16.5	17.1	16.6
Senile Psychoses	11.7	11.2	12.3	11.9	12.0	11.9
Epileptic Psychoses	11.2	11.3	11.4	11.4	12.0	11.1
Mental Deficiency without Psychosis.	—	—	60.6	64.4	68.0	72.9
G.P.I. and Cerebral Syphilis	10.7	11.0	12.5	12.5	13.6	13.6
Psychoses with Cerebral Arterioscler.	7.5	7.9	8.8	8.5	9.0	8.7
Involutional Psychoses	7.0	7.0	7.4	7.2	7.6	6.6
Paranoia and Paranoid Conditions	5.1	5.1	5.4	5.9	5.9	6.2
Alcoholic Psychoses	1.5	1.6	2.2	2.2	2.3	1.8
Alcoholism without Psychosis	—	—	0.4	0.6	0.6	0.6
Epilepsy without Psychosis	—	—	16.4	12.8	13.5	13.9
All Other‡	79.6	80.4	11.7	14.0	13.8	12.0
TOTAL	338.7	343.8	365.0	365.5	376.7	379.7

* 1934 Year ending October 31st.
1935 Five months ending March 31st.
1936-1939 Year ending March 31st.
‡ Data for 1934 and 1935 include Mental Deficiency, Alcoholics and Epileptics without Psychoses.

A steady increase has occurred in the in-patient population, from a rate of 339 per 100,000 in 1934 to 380 in 1939, an increase of 12 per cent. No especially striking deviations from this trend are noted among the psychoses, with the exception of general paresis and cerebral syphilis — which together increased from a rate of 10·7 to 13·6 in the six year period. The patient population with epileptic psychoses, senile psychoses and mental deficiency with psychosis remained practically stationary. There has been a substantial increase since 1936 in the patient population with mental deficiency without psychosis.

First Admissions By Diagnosis

Limited significance can be attached to first admission rates without a careful examination of the factors likely to produce fluctuations from year to year. In table VII are given the number of first admissions for selected diagnostic categories during the period 1927-1939 inclusive. Rates per 100,000 population in each case are also given. These data are shown graphically in figure III.

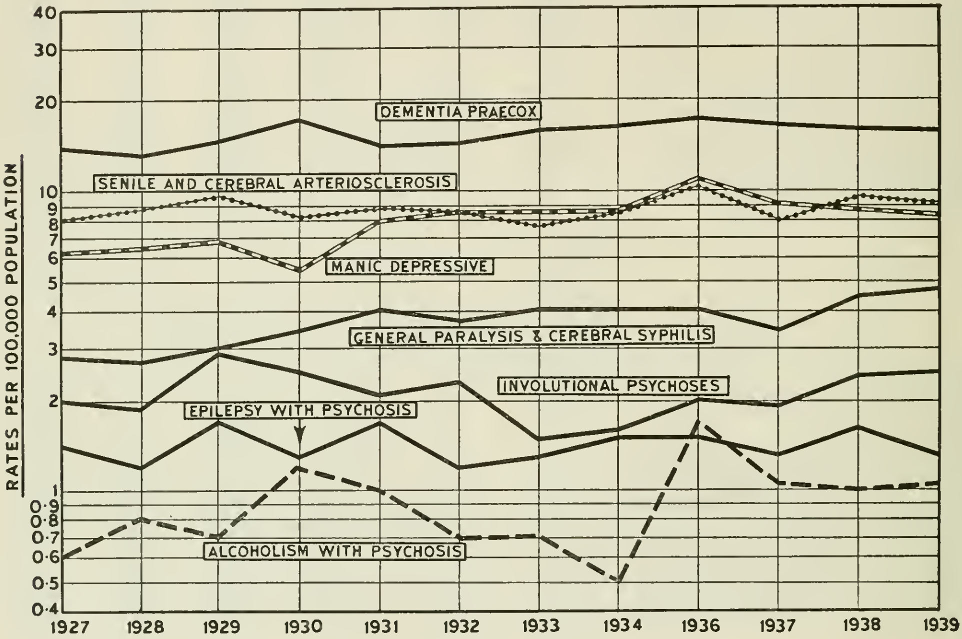


FIGURE III

FIRST ADMISSIONS FOR SELECTED PSYCHOSES—1927-1939

Upward trends are observed in manic depressive psychoses, general paralysis and cerebral syphilis, and in later years in alcoholic psychoses. Dementia praecox also shows an upward trend.

It is emphasized that the trends indicated in table VII and figure III are not acceptable as accurate indices of the **incidence** of mental disorders in the community (vide supra). Nor is it reasonable to presume to compare the observed first admission "trends" in one country, province or state with those in another without due attention and reference to as well as adjustment for at least the more obvious variables involved.

TABLE VII

FIRST ADMISSIONS BY DIAGNOSIS—1927-1939*

DIAGNOSIS	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
	NUMBER OF PATIENTS												
Dementia Praecox	413	431	491	580	480	495	545	576	232	616	603	594	586
Manic-Depressive Psychoses	203	212	227	185	276	300	303	306	110	394	334	325	316
Senile Psychoses	191	207	214	201	211	163	121	150	58	183	171	194	165
Mental Deficiency without Psychosis	132	121	147	165	159	368	299	309	73	369	375	385	404
G.P.I. and Cerebral Syphilis	93	92	102	115	138	130	142	140	49	145	121	147	128
Psychoses with Cerebral Arteriosclerosis	66	79	106	79	88	131	147	155	56	187	125	165	178
Psychoses with Mental Deficiency	63	74	91	68	70	90	96	67	27	86	54	51	52
Epileptic Psychoses	45	39	58	45	58	41	44	54	15	53	47	61	48
Involutional Psychoses	64	62	98	86	74	79	52	57	23	73	72	90	95
Parnoia and Paranoid Conditions	41	33	31	33	65	65	53	42	22	52	69	43	51
Alcoholic Psychoses	21	27	25	42	35	25	24	19	9	62	39	36	42
Alcoholism without Psychosis	8	26	13	15	22	21	19	25	16	55	71	72	70
Epilepsy without Psychosis	30	41	60	39	27	54	85	65	29	101	56	76	95
All Other	124	158	190	206	219	288	268	276	118	391	396	397	382
TOTAL	1,524	1,602	1,853	1,859	1,922	2,250	2,198	2,241	837	1,767	2,536	2,636	2,612
DIAGNOSIS	RATE PER 100,000 POPULATION												
Dementia Praecox	13.8	13.2	14.7	17.2	14.0	14.2	15.7	16.2	15.5	17.1	16.3	15.9	15.6
Manic-Depressive Psychoses	6.3	6.5	6.8	5.5	8.0	8.6	8.6	8.6	7.4	10.9	9.1	8.7	8.4
Senile Psychoses	5.9	6.3	6.4	5.9	6.2	4.7	3.4	4.2	3.9	5.1	4.6	5.2	4.4
Mental Deficiency without Psychosis	4.1	3.7	4.4	4.9	4.6	10.6	8.5	8.7	4.9	10.2	10.2	10.3	10.8
G.P.I. and Cerebral Syphilis	2.8	2.7	3.0	3.4	4.0	3.7	4.0	4.0	3.3	4.0	3.4	3.9	3.4
Psychoses with Cerebral Arteriosclerosis	2.1	2.4	3.2	2.3	2.6	3.8	4.2	4.4	3.8	5.2	3.4	4.4	4.7
Psychoses with Mental Deficiency	2.0	2.3	2.7	2.0	2.0	2.6	2.7	1.9	1.8	2.4	1.5	1.4	1.4
Epileptic Psychoses	1.4	1.2	1.7	1.3	1.7	1.2	1.3	1.5	1.0	1.5	1.3	1.6	1.3
Involutional Psychoses	2.0	1.9	2.9	2.5	2.1	2.3	1.5	1.6	1.5	2.0	1.9	2.4	2.5
Paranoia and Paranoid Conditions	1.3	1.0	0.9	1.0	1.9	1.9	1.5	1.2	0.6	1.4	1.8	1.2	1.4
Alcoholic Psychoses	0.6	0.8	0.7	1.2	1.0	0.7	0.7	0.5	0.6	1.7	1.1	1.0	1.1
Alcoholism without Psychosis	0.2	0.8	0.4	0.4	0.6	0.6	0.5	0.7	1.1	1.5	1.9	1.9	1.9
Epilepsy without Psychosis	0.9	1.3	1.8	1.2	0.8	1.6	2.4	1.8	1.9	2.8	1.5	2.0	2.5
All Other	3.8	4.8	5.7	6.1	6.4	8.3	7.6	7.7	7.9	10.8	10.7	10.6	10.2
TOTAL	47.4	49.0	55.5	54.7	56.0	64.8	62.5	63.9	56.1	76.9	68.7	70.7	69.6

*1927-1934—Year ending October 31st.
1935—Five months ending March 31st.
1936-1939—Year ending March 31st.

Discharges By Condition on Discharge By Hospital

A total of 2,078 patients were discharged from the books during the year (this number includes 55 elopers discharged.) The distribution of these patients by condition on discharge is shown in table VIII.

TABLE VIII

DISTRIBUTION OF DISCHARGES BY CONDITION ON DISCHARGE
ONTARIO HOSPITALS — YEAR ENDING MARCH 31, 1939

HOSPITALS	Recovered		Improved		Unimproved		Without Psychosis		TOTAL
	No.	%	No.	%	No.	%	No.	%	
Brockville ..	56	31.8	93	52.8	6	3.4	21	11.9	176
Cobourg	0	—	1	2.8	0	—	35	97.2	36
Fort William	4	13.8	17	58.6	2	6.9	6	20.7	29
Hamilton	99	30.1	128	38.9	20	6.1	82	24.9	329
Kingston ...	65	34.7	66	35.3	6	3.2	50	26.7	187
London	80	25.5	137	43.8	23	7.3	73	23.3	313
New Toronto	21	9.7	156	72.2	10	4.6	29	13.4	216
Orillia	0	—	0	—	0	—	88	100.0	88
Penetang	11	42.3	4	15.4	1	3.8	10	38.5	26
Toronto	36	17.6	116	56.6	13	6.3	40	19.5	205
Whitby	107	26.8	190	47.6	18	4.5	84	21.1	399
Woodstock ..	11	14.9	12	16.2	4	5.4	47	63.5	74
TOTAL	490	23.6	920	44.3	103	5.0	565	27.2	2,078

Of the total discharges, 23·6 per cent were discharged as recovered and 44·3 per cent as improved. Considering the 1,513 psychotic patients alone, 490 or 32·4 per cent were discharged as recovered, and 60·7 per cent as improved. These figures should be contrasted for each hospital and for specified psychoses given in subsequent tables.

Important difficulties present themselves in making comparisons between the crude discharge and recovery rates in the several hospitals. Even limiting the comparisons to psychotic patients, these difficulties include differences in the proportion of various types of patients, differences in the clinical significance attached to the terminology — recovered, improved, unimproved, etc. The percentage of the discharges classed as recovered (psychotic patients only) were as follows—Brockville 37·3, Fort William 17·4, Hamilton 40·1, Kingston 47·4, London 33·3, New Toronto 11·2, Toronto 21·8, Whitby 34·0. The percentage for all the specified hospitals was 32·0.

Discharge Rates By Condition on Discharge By Hospital

With the limitations noted above in mind, discharge rates expressed per 100 total admissions and per 1,000 patients under care (taken as patients on the books at the end of the year plus discharges and deaths during the year) are shown for each hospital in table IX. The low proportion of cases reported as *recovered* on discharge in certain hospitals is reflected in the computations presented. Gross discharge rates differ but little in hospitals of comparable size and clinical scope and where the "recovery" rates (per 1,000 patients treated) are high the "improved" rates are low and vice versa, in relation to the figures for the hospitals as a whole.

A convenient yardstick in measuring results of treatment is particularly desirable in this field, but the present one can hardly be regarded as satisfactory. Research now in progress may suggest standards by which arbitrary classification can be achieved without too wide a margin of error.

TABLE IX

DISCHARGE RATES BY CONDITION ON DISCHARGE YEAR ENDING MARCH 31st, 1939

HOSPITAL	Total Admissions	* Patients Treated	Recovered			Improved			Unimproved			Without Psychosis			TOTAL		
			No.	Per 100 Adm.	Per 100 Treated	No.	Per 100 Adm.	Per 100 Treated	No.	Per 100 Adm.	Per 100 Treated	No.	Per 100 Adm.	Per 100 Treated	No.	Per 100 Adm.	Per 100 Trested
Brockville	283	1,454	56	19.8	38.5	93	32.9	64.0	6	2.1	4.1	21	7.4	14.4	176	62.2	121.0
Cobourg	57	550	0	0	0	1	1.8	1.8	0	0	0	35	61.4	63.6	36	63.2	65.5
Fort William	72	138	4	5.6	29.0	17	23.6	123.2	2	2.8	14.5	6	8.3	43.5	29	40.3	210.1
Hamilton	482	2,264	99	20.5	43.7	128	26.6	56.5	20	4.1	8.8	82	17.0	36.2	329	68.3	145.3
Kingston	360	1,525	65	18.1	42.6	66	18.3	43.3	6	1.7	3.9	50	13.9	32.8	187	51.9	122.6
London	500	2,284	80	16.0	35.0	137	27.4	60.0	23	4.6	10.1	73	14.6	32.0	313	62.6	137.0
New Toronto	257	1,993	21	8.2	10.5	156	60.7	78.3	10	3.9	5.0	29	11.3	14.6	216	84.0	108.4
Orillia	233	2.204	0	0	0	0	0	0	0	0	0	88	37.8	39.9	88	37.8	39.9
Penetang	46	676	11	23.9	16.3	4	8.7	5.9	1	2.2	1.5	10	21.7	14.8	26	56.5	38.5
Toronto	358	1,614	36	10.1	21.9	116	32.4	70.6	13	3.6	7.9	40	11.2	24.3	205	57.3	124.7
Whitby	629	2,549	107	17.0	12.0	190	30.2	74.5	18	2.9	7.1	84	13.4	33.0	399	63.4	156.5
Woodstock	112	741	11	9.8	14.8	12	10.7	16.2	4	3.6	5.4	47	42.0	63.4	74	66.1	99.9
TOTAL	3,289	18,022	490	14.9	27.2	920	28.0	51.0	103	3.1	5.7	565	17.2	31.4	2,078	63.2	115.3

*Patients on the books March 31st, 1939, plus discharges and deaths during the year.

Discharge Rates By Condition on Discharge—Selected Psychoses

Attention has been drawn already to the crude discharge rates by condition on discharge. Clinical interest concerns particularly the experience in respect to individual entities. To throw some light on the recorded data from Ontario Hospitals, table X has been prepared. In this table are shown the discharge rates, by condition on discharge, for six selected groups of psychoses. The groups selected comprise the bulk of all psychotic patients (almost 85 per cent). Rates are expressed as in the preceding tables—per 100 total admissions as well as per 1,000 patients under care. The latter only, will be referred to in this discussion.

Recovery rates are highest in psychoneuroses and neuroses—19.6 per cent of those under care during the year being discharged as recovered, compared with but 2.7 per cent of *all* psychotic patients. Of the patients with manic depressive psychoses—12.9 per cent were discharged as recovered. The poorest records were for the senile and dementia praecox groups — 1.2 per cent only being discharged as recovered. In general paresis cases (including psychoses with cerebral syphilis) the recovery rate was but 1.9 per cent. Of the 66 discharges in this class, however, all but one of the remainder were discharged as "*improved.*"

Extension of these data to all major diagnosis categories will be a useful clinical guide in future. Improvements resulting from new therapeutic procedures in respect to any patient group may be expected to be reflected in the recovery rates as computed. Some refinement in statistical procedure is desirable but any significant trend or development would be reflected in these statistics.

Discharges and Deaths by Age

Having in mind the data already presented on case frequency by age, the relationship between discharges and deaths at selected ages and the number of first admissions and patients under treatment is indicated in table XI.

TABLE XI
DISCHARGES AND DEATHS BY AGE
YEAR ENDING MARCH 31, 1939

AGE	First Admissions	Number* Treated	Discharges			Deaths		
			No.	Per 100 Adm.	Per 1000 Treated	No.	Per 100 Adm.	Per 1000 Treated‡
Under 15 ..	176	547	20	11.4	36.6	30	17.0	54.8
15 — 24 ...	464	2,117	381	82.1	180.0	34	7.3	16.1
25 — 34 ...	495	2,773	455	91.9	164.1	48	9.7	17.3
35 — 44 ...	483	3,427	456	94.4	133.1	70	14.5	20.4
45 — 54 ...	394	3,341	383	97.2	114.6	101	25.6	30.2
55 — 64 ...	288	2,638	229	79.5	86.8	142	49.3	53.8
65 & over	311	2,198	152	48.9	69.2	323	103.9	147.0
Not stated	1	32	2	—	—	—	—	—
ALL AGES	2,612	17,073	2,078	79.6	121.7	748	28.6	43.8

* Taken as patients in residence, March 31, 1939, plus discharges and deaths

‡ For the province as a whole the age specific death rates for 1938 were — 4.5, 1.6, 2.6, 3.9, 8.1. 19.2 and 74.8 respectively.

TABLE X

DISCHARGE RATES FOR SELECTED PSYCHOSES BY CONDITION OF DISCHARGE

YEAR ENDING MARCH 31, 1939

PSYCHOSIS	Total Admissions	Total* Treated	Recovered			Improved			Unimproved			TOTAL		
			No.	Per 100 Adm.	Per 1000 Treated	No.	Per 100 Adm.	Per 1000 Treated	No.	Per 100 Adm.	Per 1000 Treated	No.	Per 100 Adm.	Per 1000 Treated
Dementia Praecox	778	7,035	87	11	12	358	46	51	38	5	5	483	62	69
Manic Depressive	525	1,754	227	43	129	186	35	106	10	2	6	423	81	241
Psychoneuroses and Neuroses	130	204	40	31	196	59	45	289	10	8	49	109	84	534
Senile and With Cerebral Arteriosclerosis	381	1,013	12	3	12	71	19	70	16	4	16	99	26	98
Involutional Melancholia	104	336	13	13	39	42	40	125	4	4	12	59	57	176
General Paresis and Cerebral Syphilis	139	626	12	9	19	53	38	85	1	1	2	66	48	105
Other Psychoses	413	2,127	99	24	47	151	37	71	24	6	11	274	66	129
TOTAL	2,470	13,095	490	20	37	920	37	70	103	4	8	1,513	61	115
Without Psychosis	819	3,978										565	69	142
TOTAL	3,289	17,073										2,078	63	122

*Patients in residence March 31, 1939 plus discharges and deaths during the year. (This is an approximation—probationers are not included).

For every 100 patients admitted for the first time to a mental institution in Ontario, 80 were discharged and 29 died. The negative balance is outweighed by 677 re-admissions. Including these there were 63 discharges and 23 deaths for every 100 admissions. Data on re-admissions by age will not be available until next year.

The discharge rates per 1,000 patients under treatment at specified ages are high at ages 15-34 and low in young and old age groups. In the age group 15-24, 18 per cent of those under treatment were discharged during the year and at ages 25-34 years, 16.4 per cent. In the gross, 12·2 per cent of patients under treatment were discharged during the year.

Figure IV Illustrates the data presented in table XI.

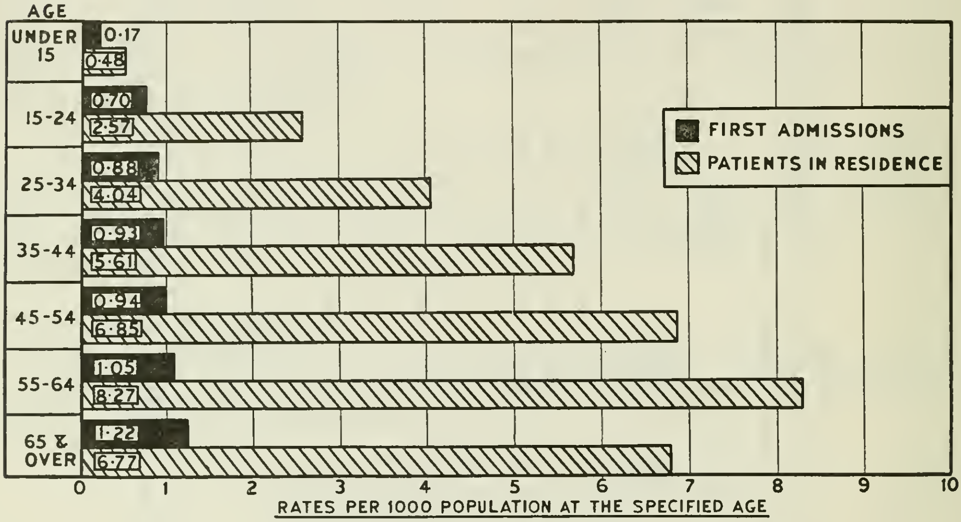


FIGURE IV.

DISCHARGE AND DEATH RATES BY AGE

Age specific death rates stand in marked contrast. Mortality in relation to either admissions or deaths is lowest at ages 15-34 years and highest at the extreme ages when deaths exceed discharges by 1.5 to 2.1 to one. The crude death rate in the patient population is four times that in the general population, but at all ages under 65 years the excess mortality is much greater (see footnote to table XI.) Thus at ages under 15 years the ratio between the death rates among patients and the general population is 12 to 1. In the succeeding age groups shown in table XI the ratios are 10·0, 6.6, 5.1, 3.7, 2.8 and 2.0 respectively.

It will be noted that the figures in the total row do not agree with those in subsequent tables. This is due to the use of a slightly different base for "patients treated" arising out of lack of data on ages of patients on the books but not in residence.

Discharge and Death Rates by Hospital

The basic crude discharge and death rates, each expressed per 100 total admissions and per 1,000 patients treated during the year, are shown in table XII.

TABLE XII

DISCHARGE AND DEATH RATES BY HOSPITAL

ONTARIO HOSPITALS — 1939

HOSPITAL	Total Admissions	Total* Treated	DISCHARGES			DEATHS		
			No.	Per 100 Adm.	Per 1000 Treated	No.	Per 100 Adm.	Per 1000 Treated
Brockville ..	283	1,454	176	62.2	121.0	56	19.8	38.5
Cobourg	57	550	36	63.2	65.5	8	14.0	14.5
Fort William	72	138	29	40.3	210.1	4	5.6	29.0
Hamilton . ..	482	2.264	329	68.3	145.3	113	23.4	49.9
Kingston	360	1,525	187	51.9	122.6	54	15.0	35.4
London	500	2,284	313	62.6	137.0	130	26.0	56.9
New Toronto	257	1,993	216	84.0	108.4	87	33.9	43.7
Orillia	233	2,204	88	37.8	39.9	53	22.7	24.0
Penetang ...	46	676	26	56.5	38.5	18	39.1	26.6
Toronto	358	1,644	205	57.3	124.7	98	27.4	59.6
Whitby	629	2,549	399	63.4	156.5	102	16.2	40.0
Woodstock ...	112	741	74	66.1	99.9	25	22.3	33.7
TOTAL ..	3,289	18,022	2,078	63.2	115.3	748	22.7	41.5

* Patients on the books March 31st, 1939 plus Discharges and Deaths during the year.

The discharge rates vary from 37·8 to 84·0 per 100 admissions and from 38·5 to 210 1,000 patients treated. Among the larger and clinically comparable hospitals (Brockville, Hamilton, Kingston, London, New Toronto, Toronto and Whitby) the rates vary from 51·9 per 100 admissions in Kingston to 84·0 at New Toronto, and from 108 per 1,000 patients treated at New Toronto to 145 at Hamilton.

Death rates likewise vary substantially, but little can be learned from the crude data because of differences in age distributions of the patient population. It is instructive, however, to point out that 4·2 per cent of the patients under care, died during the year. In the case of Hamilton the crude mortality rate was 5 per cent and in Kingston 3·5 per cent.

Discharge and Death Rates for Selected Psychoses

Discharge and death rates are dependent upon a variety of variables. Basically, diagnosis and age are two of leading clinical importance. Others, however, have been demonstrated for patient populations similar to those in Ontario Hospitals, such as economic status, duration of disease or condition before admission, etc.

Data on discharge and death rates by age have already been presented (vide supra-table XI). In table XIII discharge and death rates for six selected psychoses are given. Rates are expressed per 100 total admissions and per 1,000 patients under care.

TABLE XIII
DISCHARGE AND DEATH RATES FOR SELECTED PSYCHOSES
YEAR ENDING MARCH 31st, 1939

PSYCHOSES	Total Admissions	Patients* Treated	Discharges			Deaths		
			Number	Per 100 Adm.	Per 1000 Treated	Number	Per 100 Adm	Per 1000 Treated
Senile†	381	1,013	99	26	98	254	67	251
Dementia Praecox	778	7,035	483	62	69	160	21	23
Manic Depressive	525	1.754	423	81	241	75	14	43
General Paresis‡	139	626	66	48	105	48	34	77
Epileptic	60	479	36	60	75	27	45	56
With Mental Deficiency.	80	686	22	28	32	20	25	29
Other Psychoses	507	1,502	384	76	256	83	16	55
Without Psychosis	819	3,978	565	69	142	81	10	20
TOTAL	3,289	17,073	2,078	63	122	748	23	44

* Patients in Residence March 31, 1939 plus discharges and deaths during the year. (This is a low approximation — probationers not included).
† Including psychoses with cerebral arteriosclerosis
‡ Including psychoses due to cerebral syphilis.

Only the larger patient groups have been included in this table. While considerable variation from year to year is to be expected, especially in the mortality rates, the relationships shown in table XIII are instructive. Psychoneuroses and neuroses show the highest discharge rate — 534 per 1,000 patients treated. Among the psychoses shown, the discharge rates per 1,000 treated are highest for the manic depressive group with a rate of 241, a figure remarkably close to that for Massachusetts (1). In order thereafter come general paresis (including psychoses due to cerebral syphilis), senile psychoses (including cerebral arteriosclerosis), epileptic psychoses and dementia praecox. In the last named, the discharge rate was only 69 per 1,000 or 6·9 per cent of patients under care. This is one quarter of that for manic depressive psychoses. The lowest rate was observed in the category mental deficiency with psychosis. Of the balance—"Other Psychoses" and "Without Psychosis" nothing need be said because of their heterogenous constitution.

In future years, this sort of analysis can be extended and considerably more detail provided. A separation of discharges into first and re-admissions has been shown to be requisite and this has been a feature of recent Massachusetts reports (1).

(*1*) *Annual Report of the Commissioner of Mental Health, Commonwealth of Massachusetts.*

Death rates for selected psychoses are fairly comparable with those for previous years. Rates are highest for the senile group and lowest in dementia praecox. The mortality in the latter group is but half of that for manic depressives. Next in order are general paresis and cerebral syphilis, epileptic psychoses, manic depressive psychoses, mental deficiency with psychosis, and dementia praecox. There is need for a comprehensive analysis by age and perhaps also by sex. This can be undertaken in future years as the program is extended.

Causes of Death

Certification of cause of death is fraught with difficulties even in the general population. In the case of patients with mental disorders the problem is even more difficult. Statistical procedure in Ontario is such that selection for tabulation is made by each hospital, *not* in a central bureau, and the possibility of variation on this account must be conceded. As a preliminary to further study of the broader aspects of this question, a review of the "causes of death" reported was undertaken and table XIV gives the six principal causes for Ontario Hospitals and the province as a whole.

TABLE XIV

PRINCIPAL RECORDED CAUSES OF DEATH

ONTARIO HOSPITALS — 1938-9 AND ONTARIO 1938

CAUSE OF DEATH	ONTARIO HOSPITALS			PROVINCE		
	No.	Rate†	%	No.	Rate‡	%
1. Pneumonia & Bronchitis	266	1,558	35.6	2,583	69	7.0
2. Diseases of the Heart	175	1,025	23.4	7,354	197	19.9
3. Tuberculosis (all forms) ...	59	346	7.9	1,237	33	3.4
4. Cerebral Haemorrhage	52	305	7.0	790	21	2.1
5. Diseases of the Arteries ...	28	164	3.7	4,083	109	11.1
6. Cancer (all forms)	21	123	2.8	4,472	120	12.1
Total (1-6)..............	601	35	80.3	20,519	5.5	55.6
All Other Causes..........	147	9	19.7	16,371	4.4	44.4
GRAND TOTAL	748	44	100.0	36,890	9.9	100.0

† Per 100,000 under treatment (17,073), except totals which are per 1,000

‡ Per 100,000 population, except totals which are per 1,000

The marked preponderance of deaths classed to pneumonia (both absolutely and relatively), is consistent in part with the age structure of the patient population, but cannot be entirely explained in this way. Cancer on the other hand is recorded as responsible for only 2·8 per cent of all deaths compared with 12·1 per cent for the province. While age structure is somewhat favourable to a higher cancer rate and while the proportion of all deaths among patients attributed to cancer is low, *The specific cancer death rates in the two groups differ very little.* This fact is important and indeed remarkable.

Comparison of such crude death rates, however, is of little real value because of differences in age structure of the two populations compared. Even at specified ages (see table XI and footnotes thereto) the differences are very marked.

Further analysis of mortality experience is required. Preparation of death rates by age, sex and cause at least, are essential because of the substantial differences in population structure between the patient group and the province as a whole. This is a problem for future investigation.

CONCLUSION

This brief review is designed merely to draw attention to certain of the highlights. A wealth of additional information is available in the forty-four detailed tables which follow. No mention has been made for instance of the methods of admission, previous occupation or other facts descriptive of patients admitted during the year. Reference to the table of contents in the front of this Report will indicate the location of such data

DETAILED STATISTICAL TABLES

TABLE No. 1
DETAILED MOVEMENT OF PATIENT POPULATION
April 1, 1938—March 31, 1939

POPULATION	TOTAL			BROCKVILLE			COBOURG			FORT WILLIAM			HAMILTON			KINGSTON		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Patients on Books, April 1, 1938:																		
In Residence	6,909	6,624	13,533	536	526	1,062	0	439	439	105	0	105	877	797	1,674	609	540	1,149
In Boarding Homes	211	312	523	18	23	41	0	26	26	0	0	0	22	18	40	21	29	50
On Probation	297	374	671	24	38	62	0	25	25	11	0	11	36	41	77	22	16	38
On Elopement (not discharged)	7	6	13	0	0	0	0	3	3	0	0	0	0	0	0	1	0	1
Total on Books	7,424	7,316	14,740	578	587	1,165	0	493	493	116	0	116	935	856	1,791	653	585	1,238
2. Admitted during year:																		
First Admissions	1,399	1,213	2,612	106	97	203	0	54	54	55	0	55	212	160	372	107	78	185
Re-admissions	384	293	677	46	34	80	0	3	3	17	0	17	58	52	110	48	27	75
Transfers received	143	86	229	13	6	19	0	11	11	1	0	1	4	3	7	34	6	40
Total Admitted	1,926	1,592	3,518	165	137	302	0	68	68	73	0	73	274	215	489	189	111	300
3. Total under care‡	9,350	8,908	18,258	743	724	1,467	0	561	561	189	0	189	1,209	1,071	2,280	842	696	1,538
4. Discharged during year:†																		
Recovered	251	239	490	26	30	56	0	0	0	4	0	4	53	46	99	39	26	65
Improved	472	448	920	52	41	93	0	1	1	17	0	17	69	59	128	39	27	66
Unimproved	57	46	103	5	1	6	0	0	0	2	0	2	10	10	20	2	4	6
Without Psychosis	389	176	565	15	6	21	0	35	35	6	0	6	65	17	82	46	4	50
Died*	392	356	748	29	27	56	0	8	8	4	0	4	60	53	113	25	29	54
Transferred	142	94	236	5	8	13	0	11	11	51	0	51	8	8	16	5	8	13
Total discharged from books‡	1,703	1,359	3,062	132	113	245	0	55	55	84	0	84	265	193	458	156	98	254
5. Patients on Books, March 31, 1939:																		
In Residence	6,986	6,716	13,702	552	545	1,097	0	415	415	97	0	97	871	775	1,646	636	536	1,172
In Boarding Home§	219	326	545	22	23	45	0	34	34	0	0	0	14	27	41	19	31	50
On Probation	436	504	940	36	43	79	0	54	54	8	0	8	59	76	135	29	31	60
On Elopement (not discharged)	6	3	9	1	0	1	0	3	3	0	0	0	0	0	0	2	0	2
Total on Books	7,647	7,549	15,196	611	611	1,222	0	506	506	105	0	105	944	878	1,822	686	598	1,284
6. Daily Average Population in Residence	6,948	6,670	13,618	545	534	1,079	0	461	461	99	0	99	877	806	1,683	624	534	1,158
7. Daily Average Population on Books	7,535	7,433	14,968	610	602	1,212	0	505	505	109	0	109	942	872	1,814	682	595	1,278

---

‡ These figures include transfers—actual numbers for all hospitals combined are 18,029 and 2,826.

† Elopers discharged (55) are included with ordinary discharges.

* Excludes deaths on probation and elopement, these are included with ordinary discharges.

§ Includes 31 female patients in Colony Houses at Cobourg and 13 female patients in Colony Houses at Orillia. Net number in Boarding Homes—501.

TABLE No. 1—(Concluded)
DETAILED MOVEMENT OF PATIENT POPULATION
April 1, 1938—March 31, 1939

POPULATION	London			New Toronto			Orillia			Penetang			Toronto			Whitby			Woodstock		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Patients on Books, April 1, 1938:																					
In Residence	830	762	1,592	859	683	1,542	971	919	1,890	375	225	600	621	593	1,214	836	844	1,680	290	296	586
In Boarding Homes	35	57	92	50	42	92	0	19	19	4	18	22	13	26	39	48	54	102	0	0	0
On Probation	41	49	90	29	45	74	35	37	72	3	1	4	17	32	49	56	79	135	23	11	34
On Elopement (not discharged)	1	0	1	0	0	0	4	2	6	0	0	0	0	1	1	0	0	0	1	0	1
Total on Books	907	868	1,775	938	770	1,708	1,019	977	1,987	382	244	626	651	652	1,303	940	977	1,917	314	307	621
2. Admitted during year:																					
First Admissions	203	190	393	122	103	225	131	95	226	14	26	40	169	128	297	221	248	469	59	34	93
Re-admissions	65	42	107	18	14	32	4	3	7	3	3	6	29	32	61	85	75	160	11	8	19
Transfers received	9	3	12	28	25	53	7	3	10	15	1	16	15	13	28	13	9	22	4	6	10
Total Admitted	277	235	512	168	142	310	142	101	243	32	30	62	213	173	386	319	332	651	74	48	122
3. Total under care ‡	1,184	1,103	2,287	1,106	912	2,018	1,152	1,078	2,230	414	274	688	864	825	1,689	1,259	1,309	2,568	388	355	743
4. Discharged during year:†																					
Recovered	35	45	80	11	10	21	0	0	0	8	3	11	20	16	36	47	60	107	8	3	11
Improved	73	64	137	72	84	156	0	0	0	1	3	4	62	54	116	80	110	190	7	5	12
Unimproved	14	9	23	6	4	10	0	0	0	1	0	1	9	4	13	5	13	18	3	1	4
Without Psychosis	61	12	73	22	7	29	43	45	88	4	6	10	30	10	40	68	16	84	29	18	47
Died*	70	60	130	43	44	87	28	25	53	12	6	18	48	50	98	56	46	102	17	8	25
Transferred	1	2	3	7	18	25	23	3	26	11	1	12	20	25	45	9	10	19	2	0	2
Total discharged from books‡	254	192	446	161	167	328	94	73	167	37	19	56	189	159	348	265	255	520	66	35	101
5. Patients on Books, March 31, 1939:																					
In Residence	844	791	1,635	857	682	1,539	1,011	957	1,968	366	234	600	597	595	1,192	859	877	1,736	296	309	605
In Boarding Home§	37	56	93	48	27	75	0	13	13	4	18	22	18	34	52	57	63	120	0	0	0
On Probation	48	64	112	40	36	76	45	35	80	7	3	10	60	37	97	78	114	192	26	11	37
On Elopement (not discharged)	1	0	1	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Total on Books	930	911	1,841	945	745	1,690	1,058	1,005	2,063	377	255	632	675	666	1,341	994	1,054	2,048	322	320	642
6. Daily Average Population in Residence	825	786	1,621	853	684	1,537	998	943	1,941	370	230	598	611	604	1,215	842	857	1,699	286	294	580
7. Daily Average Population on Books	917	910	1,827	945	746	1,691	1,054	994	2,048	382	250	631	675	659	1,334	960	1,016	1,979	320	317	637

‡ These figures include transfers—actual numbers for all hospitals combined are 18,029 and 2,826.

† Elopers discharged (55) are included with ordinary discharges.

* Excludes deaths on probation and elopement, these are included with ordinary discharges.

§ Includes 31 female patients in Colony Houses at Cobourg and 13 female patients in Colony Houses at Orillia. Net number in Boarding Homes—501.

TABLE No. 2
MOVEMENT OF PATIENT POPULATION
Year Ending March 31, 1939

HOSPITALS	To Population											
	First Admissions			Re-Admissions			Transfers Received			Total Added to Population		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Brockville	106	97	203	46	34	80	13	6	19	165	137	302
Cobourg	0	54	54	0	3	3	0	11	11	0	68	68
Fort William	55	0	55	17	0	17	1	0	1	73	0	73
Hamilton	212	160	372	58	52	110	4	3	7	274	215	489
Kingston	107	78	185	48	27	75	34	6	40	189	111	300
London	203	190	393	65	42	107	9	3	12	277	235	512
New Toronto	122	103	225	18	14	32	28	25	53	168	142	310
Orillia	131	95	226	4	3	7	7	3	10	142	101	243
Penetang	14	26	40	3	3	6	15	1	16	32	30	62
Toronto	169	128	297	29	32	61	15	13	28	213	173	386
Whitby	221	248	469	85	75	160	13	9	22	319	332	651
Woodstock	59	34	93	11	8	19	4	6	10	74	48	122
TOTAL	1,399	1,213	2,612	384	293	677	143	86	229	1,926	1,592	3,518

TABLE No. 2—(Concluded)
MOVEMENT OF PATIENT POPULATION
YEAR ENDING MARCH 31, 1939

HOSPITALS	From Population																	
	Discharged*			Died†			Transferred to Other Hospitals			Elopers Discharged			Total from Population			Change in Population		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Brockville	95	78	173	29	27	56	5	8	13	3	0	3	132	113	245	+33	+24	+57
Cobourg	0	25	25	0	8	8	0	11	11	0	11	11	0	55	55	0	+13	+13
Fort William	29	0	29	4	0	4	51	0	51	0	0	0	84	0	84	−11	0	−11
Hamilton	193	132	325	60	53	113	8	8	16	4	0	4	265	193	458	+9	+22	+31
Kingston	123	61	184	25	29	54	5	8	13	3	0	3	156	98	254	+33	+13	+46
London	179	130	309	70	60	130	1	2	3	4	0	4	254	192	446	+23	+43	+66
New Toronto	109	104	213	43	44	87	7	18	25	2	1	3	161	167	328	+7	−25	−18
Orillia	37	38	75	28	25	53	23	3	26	6	7	13	94	73	167	+48	+28	+76
Penetang	13	12	25	12	6	18	11	1	12	1	0	1	37	19	56	− 5	+11	+6
Toronto	114	82	196	48	50	98	20	25	45	7	2	9	189	159	348	+24	+14	+38
Whitby	197	199	396	56	46	102	9	10	19	3	0	3	265	255	520	+54	+77	+131
Woodstock	46	27	73	17	8	25	2	0	2	1	0	1	66	35	101	+8	+13	+21
TOTAL	1,135	888	2,023	392	356	748	142	94	236	34	21	55	1,703	1,359	3,062	+223	+233	+456

† Does not include deaths on probation or elopement. These are classed as discharges.
* Discharges include 12 deportations.

TABLE No. 3

PATIENT POPULATION ON APRIL 1st, 1938, AND MARCH 31st, 1939

HOSPITAL	Population April 1st, 1938														
	Patients in Hospital			Patients on Probation			Patients Boarding-out			Eloped and Not Discharged			Total on Books		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Brockville	536	526	1,062	24	38	62	18	23	41	0	0	0	578	587	1,165
Cobourg	0	461	461	0	25	25	0	4	4	0	3	3	0	493	493
Fort William	105	0	105	11	0	11	0	0	0	0	0	0	116	0	116
Hamilton	877	797	1,674	36	41	77	22	18	40	0	0	0	935	856	1,791
Kingston	609	540	1,149	22	16	38	21	29	50	1	0	1	653	585	1,238
London	830	762	1,592	41	49	90	35	57	92	1	0	1	907	868	1,775
New Toronto	859	683	1,542	29	45	74	50	42	92	0	0	0	938	770	1,708
Orillia	971	938	1,909	35	37	72	0	0	0	4	2	6	1,010	977	1,987
Penetang	375	225	600	3	1	4	4	18	22	0	0	0	382	244	626
Toronto	621	593	1,214	17	32	49	13	26	39	0	1	1	651	652	1,303
Whitby	836	844	1,680	56	79	135	48	54	102	0	0	0	940	977	1,917
Woodstock	290	296	586	23	11	34	0	0	0	1	0	1	314	307	621
TOTALS	6,909	6,665	13,574	297	374	671	211	271	482	7	6	13	7,424	7,316	14,740

TABLE No. 3—(Concluded)

PATIENT POPULATION ON APRIL 1st, 1938, AND MARCH 31st, 1939

HOSPITAL	Population March 31st, 1939																	
	Patients in Hospital			Patients on Probation			Patients Boarding-out			Eloped and Not Discharged			Total on Books			Total Number of Patients on Books During Year		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Brockville	552	545	1,097	36	43	79	22	23	45	1	0	1	611	611	1,222	743	724	1,467
Cobourg	0	446	446	0	54	54	0	3	3	0	3	3	0	506	506	0	561	561
Fort William	97	0	97	8	0	8	0	0	0	0	0	0	105	0	105	189	0	189
Hamilton	871	775	1,646	59	76	135	14	27	41	0	0	0	944	878	1,822	1,209	1,071	2,280
Kingston	636	536	1,172	29	31	60	19	31	50	2	0	2	686	598	1,284	842	696	1,538
London	844	791	1,635	48	64	112	37	56	93	1	0	1	930	911	1,841	1,184	1,103	2,287
New Toronto	857	682	1,539	40	36	76	48	27	75	0	0	0	945	745	1,690	1,106	912	2,018
Orillia	1,011	970	1,981	45	35	80	0	0	0	2	0	2	1,058	1,005	2,063	1,152	1,078	2,230
Penetang	366	234	600	7	3	10	4	18	22	0	0	0	377	255	632	414	274	688
Toronto	597	595	1,192	60	37	97	18	34	52	0	0	0	675	666	1,341	864	825	1,689
Whitby	859	877	1,736	78	114	192	57	63	120	0	0	0	994	1,054	2,048	1,259	1,309	2,568
Woodstock	296	309	605	26	11	37	0	0	0	0	0	0	322	320	642	388	355	743
Totals	6,986	6,760	13,746	436	504	940	219	282	501	6	3	9	7,647	7,549	15,196	9,350	8,908	18,258*

* This figure includes 229 transfers. Actual number of patients under supervision or treatment during year was 18,029.

TABLE No. 4

MOVEMENT OF PATIENT POPULATION

PATIENTS IN BOARDING HOMES

PATIENT POPULATION	ALL HOSPITALS*			BROCKVILLE			COBOURG*			FORT WILLIAM			HAMILTON			KINGSTON		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
In Boarding Homes at beginning of year	211	312	523	18	23	41	0	26	26	0	0	0	22	18	40	21	29	50
Placed in Boarding Homes during year	209	292	501	16	13	29	0	34	34	0	0	0	29	47	76	16	18	34
Returned from Boarding Homes during year	181	249	430	11	11	22	0	20	20	0	0	0	36	38	74	18	16	34
Discharged while in Boarding Homes	17	29	46	1	2	3	0	6	6	0	0	0	1	0	1	0	0	0
Died while in Boarding Homes	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Remaining in Boarding Homes at end of year	219	326	545	22	23	45	0	34	34	0	0	0	14	27	41	19	31	50
Daily Average in Boarding Homes	217	311	528	20	23	43	0	29	29	0	0	0	17	23	40	22	27	49

* Including patients at Colony Houses—Cobourg 31, Orillia 18.

PATIENTS ON PROBATION

PATIENT POPULATION	ALL HOSPITALS*			BROCKVILLE			COBOURG*			FORT WILLIAM			HAMILTON			KINGSTON		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
On Probation at the beginning of year	298	374	672	24	38	62	0	25	25	12	0	12	36	41	77	22	16	38
Placed on Probation during year	1,264	1,387	2,651	86	84	170	0	109	109	22	0	22	158	165	323	81	91	172
Returned from Probation during year	507	570	1,077	14	23	37	0	56	56	8	0	8	40	35	75	25	31	56
Discharged while on Probation	602	678	1,280	59	56	115	0	24	24	17	0	17	94	93	187	48	43	91
Died while on Probation	17	9	26	1	0	1	0	0	0	1	0	1	1	2	3	1	2	3
Remaining on Probation at end of year	436	504	940	36	43	79	0	54	54	8	0	8	59	76	135	29	31	60
Daily Average on Probation	442	517	959	30	40	70	0	43	43	10	0	10	61	64	125	35	37	72

TABLE No. 4—(Concluded)

MOVEMENT OF PATIENT POPULATION

PATIENTS IN BOARDING HOMES

PATIENT POPULATION	LONDON			NEW TORONTO			ORILLIA*			PENETANO			TORONTO			WHITBY			WOODSTOCK		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
In Boarding Homes at beginning of year	35	57	92	50	42	92	0	19	19	4	18	22	13	26	39	48	54	102	0	0	0
Placed in Boarding Homes during year	51	44	95	16	5	21	0	15	15	1	5	6	32	47	79	48	64	112	0	0	0
Returned from Boarding Homes during year	47	42	89	12	16	28	0	18	18	1	5	6	21	34	55	35	49	84	0	0	0
Discharged while in Boarding Homes	1	3	4	5	4	9	0	3	3	0	0	0	6	5	11	3	6	9	0	0	0
Died while in Boarding Homes	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Remaining in Boarding Homes at end of year	37	56	93	48	27	75	0	13	13	4	18	22	18	34	52	57	63	120	0	0	0
Daily Average in Boarding Homes	36	57	93	51	31	82	0	14	14	4	18	22	16	32	48	51	57	108	0	0	0

* Including patients at Colony Houses—Cobourg 31, Orillia 13.

PATIENTS ON PROBATION

PATIENT POPULATION	LONDON			NEW TORONTO			ORILLIA*			PENETANO			TORONTO			WHITBY			WOODSTOCK		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
On Probation at the beginning of the year	41	49	90	29	45	74	35	37	72	3	1	4	17	32	49	56	79	135	23	11	34
Placed on Probation during year	158	194	352	89	93	182	203	165	368	14	17	31	167	109	276	167	266	433	119	94	213
Returned from Probation during year	50	72	122	23	20	43	161	135	296	3	3	6	48	39	87	60	86	146	75	70	145
Discharged while on Probation	100	105	205	55	82	137	30	32	62	7	12	19	67	62	129	85	145	230	40	24	64
Died while on Probation	1	2	3	0	0	0	2	0	2	0	0	0	9	3	12	0	0	0	1	0	1
Remaining on Probation at end of year	48	64	112	40	36	76	45	35	80	7	3	10	60	37	97	78	114	192	26	11	37
Daily Average on Probation	56	69	125	39	42	81	52	47	99	5	7	12	52	44	96	68	102	170	34	22	56

TABLE No. 5

CHANGES IN PATIENT POPULATION

April 1st, 1938, to March 31st, 1939

HOSPITAL	Patients in Hospital			Patients on Probation			Patients Boarding-out			Eloped and Not Discharged			Total on Books		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Brockville	+16	+19	+35	+12	+ 5	+17	+ 4	0	+ 4	+ 1	0	+ 1	+33	+24	+57
Cobourg	0	−15	−15	0	+29	+29	0	− 1	− 1	0	0	0	0	+13	+13
Fort William	− 8	0	− 8	− 3	0	− 3	0	0	0	0	0	0	−11	0	−11
Hamilton	− 6	−22	−28	+23	+35	+58	− 8	+ 9	+ 1	0	0	0	+ 9	+22	+31
Kingston	+27	− 4	+23	+ 7	+15	+22	− 2	+ 2	0	+ 1	0	+ 1	+33	+13	+46
London	+14	+29	+43	+ 7	+15	+22	+ 2	− 1	+ 1	0	0	0	+23	+43	+66
New Toronto	− 2	− 1	− 3	+11	− 9	+ 2	− 2	−15	−17	0	0	0	+ 7	−25	−18
Orillia	+40	+32	+72	+10	− 2	+ 8	0	0	0	− 2	− 2	− 4	+48	+28	+76
Penetang	− 9	+ 9	0	+ 4	+ 2	+ 6	0	0	0	0	0	0	− 5	+11	+ 6
Toronto	−24	+ 2	−22	+43	+ 5	+48	+ 5	+ 8	+13	0	− 1	− 1	+24	+14	+38
Whitby	+23	+33	+56	+22	+35	+57	+ 9	+ 9	+18	0	0	0	+54	+77	+131
Woodstock	+ 6	+13	+19	+ 3	0	+ 3	0	0	0	− 1	0	− 1	+ 8	+13	+21
Total	+77	+95	+172	+139	+130	+269	+ 8	+11	+19	− 1	− 3	− 4	+223	+233	+456

TABLE No. 6
SUMMARY OF PATIENT POPULATION
YEAR ENDING MARCH 31, 1939

	DIAGNOSIS	ADMISSIONS						DISCHARGES						DEATHS						PATIENTS IN RESIDENCE		
		First Admissions			Re-Admissions			First Admissions			Re-Admissions			First Admissions			Re-Admissions					
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo—Encephalitis	97	25	122	8	3	11	46	11	57	5	0	5	44	4	48				399	86	485
	02. With Other Forms of Syphilis	4	2	6				2	2	4										16	11	27
	03. With Epidemic Encephalitis	2	2	4	1	0	1	1	0	1				2	2	4	0	1	1	16	6	22
	04. With Other Infectious Diseases	4	3	7				2	3	5				1	0	1				2	3	5
	05. Alcoholic Psychosis	40	2	42	8	1	9	38	6	44	7	0	7	2	1	3				55	12	67
	06a. Due to Opium and Other Drugs	8	6	14	1	1	2	2	3	5	1	1	2	0	1	1				6	7	13
	06b. Due to Other Exogenous Toxins							1	1	2	1	0	1								1	1
	07. Traumatic Psychosis	6	1	7				6	0	6				0	1	1				21	4	25
	08. With Cerebral Arteriosclerosis	91	87	178	10	14	24	35	29	64	0	4	4	69	39	108	3	3	6	163	165	328
	09. With Other Disturbances of Circulation	4	10	14				1	2	3	0	1	1	2	3	5	0	1	1	3	4	7
	10. With Convulsive Disorders (Epilepsy)	28	20	48	5	7	12	15	11	26	5	5	10	11	10	21	5	1	6	226	190	416
	11. Senile Psychosis	74	91	165	7	7	14	18	9	27	2	2	4	51	82	133	3	4	7	196	250	446
	12. Involutional Psychoses	30	65	95	2	7	9	13	42	55	2	2	4	8	17	25	1	2	3	70	178	248
	13. Due to Other Metabolic, Etc., Diseases	15	37	52	2	2	4	11	26	37	0	2	2	8	9	17				21	79	100
	14. Due to New Growth							0	1	1										1	0	1
	15. With Organic Changes of Nervous System	7	8	15	1	1	2	2	3	5	1	0	1	3	3	6	0	1	1	41	41	82
	16. Psychoneuroses	45	67	112	9	9	18	47	43	90	8	11	19	1	1	2	0	2	2	36	55	91
	17. Manic-Depressive Psychoses	135	181	316	93	116	209	124	140	264	74	85	159	28	23	51	13	11	24	596	660	1,256
	18. Dementia Praecox (Schizophrenia)	316	270	586	115	77	192	182	183	365	68	50	118	63	66	129	19	12	31	3,261	3,131	6,392
	19. Paranoia and Paranoid Conditions	26	25	51	11	5	16	20	19	39	6	4	10	1	5	6				101	129	230
	20. With Psychopathic Personality	5	1	6	1	0	1	3	0	3	1	0	1	1	0	1				14	8	22
	21. With Mental Deficiency	23	29	52	10	18	28	21	15	36	1	7	8	5	13	18	1	0	1	310	312	622
	22. Undiagnosed Psychoses	12	12	24	2	0	2	7	10	17	1	0	1	2	2	4				18	11	29
WITHOUT PSYCHOSIS	231a. Epileptics Not Psychotic or Feeble Minded	31	15	46	5	7	12	19	14	33	5	5	10	1	0	1	1	2	3	60	47	107
	231b. Epileptics who are Feeble Minded	25	24	49	4	2	6	14	7	21	2	0	2	10	8	18				193	222	415
	232. Alcoholism	61	9	70	42	2	44	64	8	72	40	1	41							19	2	21
	233. Drug Addiction	18	5	23	10	1	11	17	3	20	9	1	10	1	0	1				5	3	8
	234. Mental Deficiency	215	189	404	21	11	32	95	97	192	19	14	33	31	24	55	1	2	3	1,326	1,410	2,736
	235. Disorders of Personality	3	3	6				8	3	11	0	1	1							1	5	6
	236. Psychopathic Personality	29	4	33	12	0	12	33	7	40	10	0	10							19	3	22
	24. Primary Behaviour Disorders	45	20	63	4	2	6	48	15	63	6	0	6							10	7	17
	TOTAL 1–22	972	944	1,916	286	268	554	597	559	1,156	183	174	357	302	282	584	45	38	83	5,572	5,343	10,915
	TOTAL 23–24	427	269	696	98	25	123	298	154	452	91	22	113	43	32	75	2	4	6	1,633	1,699	3,332
	GRAND TOTAL	1,399	1,213	2,612	384	293	677	895	713	1,608	274	196	470	345	314	659	47	42	89	7,205	7,012	14,217

TABLE No. 7

FIRST ADMISSIONS, RE-ADMISSIONS AND PATIENTS IN RESIDENCE
BY COUNTY OR DISTRICT OF RESIDENCE
YEAR ENDING MARCH 31, 1939

COUNTY OR DISTRICT	Estimated* Population	First Admissions			Re-Admissions			Patients in Residence †			Rate ‡
		M.	F.	T.	M.	F.	T.	M.	F.	T.	
Algoma	50,369	8	19	27	2	0	2	182	151	333	661
Brant	58,204	21	9	30	4	5	9	92	89	181	311
Bruce	45,891	12	10	22	2	1	3	66	74	140	305
Carleton	185,058	51	60	111	19	19	38	307	373	680	367
Cochrane	63,054	26	22	48	2	2	4	139	63	202	320
Dufferin	16,043	2	5	7	1	1	2	18	30	48	299
Dundas	17,534	1	4	5	2	0	2	21	16	37	211
Durham	27.983	5	17	22	3	4	7	52	51	103	368
Elgin	47,384	11	19	30	12	4	16	80	82	162	342
Essex	173,865	64	51	115	13	10	23	275	236	511	294
Frontenac	49,622	36	21	57	17	7	24	146	92	238	480
Glengarry	20,147	9	6	15	3	3	6	47	32	79	392
Grenville	17.909	5	8	13	1	0	1	44	48	92	514
Grey	62,681	20	8	28	3	5	8	126	91	217	346
Haldimand	23,132	7	6	13	4	2	6	34	32	66	283
Haliburton	6,343	1	1	2	0	0	0	11	6	17	268
Halton	28,729	12	5	17	2	0	2	41	33	74	258
Hastings	64,173	24	30	54	5	7	12	117	112	229	357
Huron	49,249	10	18	28	5	2	7	70	77	147	298
Kenora	23,878	6	2	8	1	0	1	46	20	66	276
Kent	68,277	27	17	44	3	2	5	123	101	224	328
Lambton	59,323	18	13	31	3	6	9	113	96	209	352
Lanark	35,818	11	20	31	1	5	6	68	70	138	385
Leeds	38,429	12	19	31	14	7	21	80	90	170	442
Lennox & Addington	20,521	8	8	16	6	2	8	44	43	87	424
Lincoln	58,950	11	22	33	7	5	12	100	100	200	339
Manitoulin	11,566	4	1	5	0	1	1	22	9	31	268
Middlesex	128,720	61	60	121	20	11	31	257	331	588	457
Muskoka	22,759	6	7	13	0	1	1	62	61	123	540
Nipissing	44,772	27	13	40	2	1	3	138	80	218	487
Norfolk	33,952	14	14	28	0	2	2	45	53	98	289
Northumberland	34,325	15	5	20	4	5	9	66	59	125	364
Ontario	64,919	24	25	49	12	13	25	112	93	205	316
Oxford	51,861	18	9	27	8	4	12	81	89	170	328
Parry Sound	27,983	9	4	13	1	0	1	67	61	128	457
Peel	30,594	7	9	16	2	1	3	40	54	94	307
Perth	55,965	21	12	33	4	3	7	81	85	166	297
Peterborough	47,757	18	21	39	1	6	7	50	74	124	260
Prescott	26,863	13	8	21	4	1	5	65	45	110	409
Prince Edward	17,909	6	6	12	2	1	3	26	31	57	318
Rainy River	19,028	5	2	7	2	0	2	36	15	51	268
Renfrew	56,711	21	12	33	9	7	16	122	98	220	388
Russell	20,147	9	5	14	2	1	3	43	25	68	338
Simcoe	91,036	30	30	60	13	4	17	187	183	370	406
Stormont	35,445	14	8	22	5	4	9	58	57	115	324
Sudbury	63,427	21	14	35	1	2	3	112	87	199	314
Thunder Bay	70,889	54	16	70	14	2	16	250	111	361	509
Timiskaming	40,295	23	9	32	4	1	5	64	43	107	266
Victoria	27,983	12	10	22	4	2	6	50	46	961	343
Waterloo	97,752	30	30	60	8	4	12	105	139	244	250
Welland	89,917	20	24	44	5	2	7	123	119	242	269
Wellington	63,054	23	13	36	5	6	11	123	121	244	387
Wentworth	206,697	97	68	165	21	23	44	408	399	807	390
York	931,631	354	353	707	85	79	164	1,920	2,232	4,152	446
Patricia	4,477	0	0	0	0	0	0	0	1	1	22
Other Provinces	....	15	5	20	0	0	0	24	19	43	0
Other Countries	....	0	0	0	0	0	0	4	0	4	0
Unascertained	....	10	0	10	11	7	18	22	14	36	0
TOTAL	3,731,000	1,399	1,213	2,612	384	293	677	7,205	7,042	14,247	382

* Registrar-General's Report—1938.

† Patients in Residence includes patients in Boarding Homes in this and all succeeding tables unless otherwise specified

‡ Per 100,000 estimated population.

TABLE No. 8

RELIGION OF FIRST ADMISSIONS AND PATIENTS IN RESIDENCE

RELIGION	First Admissions			Patients in Residence		
	Male	Female	Total	Male	Female	Total
Baptist	71	60	131	312	348	660
Church of England	251	250	501	1,321	1,464	2,785
Hebrew	24	28	52	135	142	277
Presbyterian	181	128	309	870	934	1,804
Roman Catholic	382	282	664	1.981	1,443	3,424
United Church	270	296	566	1,447	1,629	3,076
Lutheran	37	16	53	117	70	187
Greek Catholic	5	7	12	15	9	24
Salvation Army	4	4	8	5	8	13
Other Denominations	155	123	278	716	715	1,431
None	0	0	0	2	0	2
Unascertained	19	19	38	284	280	564
TOTAL	1,399	1,213	2,612	7,205	7,042	14,247

CHURCH SERVICES AND ATTENDANCE

CHURCH SERVICES	Number Held	Attendance		
		Male	Female	Total
Protestant	609	37,469	35,008	72,477
Catholic	487	10.633	7,431	18,064
TOTAL	1,096	48,102	42,439	90,541

TABLE No. 9

PATIENTS IN RESIDENCE BY AGE AND DIAGNOSIS

	DIAGNOSIS	TOTAL			UNDER 10			10–14			15–19			20–24			25–29			30–34			35–39		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	399	86	485							3	1	4	2	3	5	5	4	9	17	4	21	59	17	76
	02. With OtherF orms of Syphilis	16	11	27													1	0	1				1	1	2
	03. With Epidemic Encephalitis	16	6	22							1	0	1	2	1	3	1	0	1				3	3	6
	04. With Other Infectious Diseases	2	3	5							0	1	1										0	1	1
	05. Alcoholic Psychoses	55	12	67													1	0	1	8	2	10	8	1	9
	06a. Due to Opium and Other Drugs	6	7	13													1	0	1	0	2	2	0	2	2
	06b. Due to Other Exogenous Toxins	0	1	1																					
	07. Traumatic Psychoses	21	4	25										2	0	2				3	0	3	1	1	2
	08. With Cerebral Arteriosclerosis	163	165	328													2	0	2						
	09. With Other Disturbances of Circulation	3	4	7																					
	10. With Convulsive Disorders (Epilepsy)	226	190	416				1	1	2	5	5	10	26	12	38	15	21	36	21	25	46	32	16	48
	11. Senile Psychoses	196	250	446																					
	12. Involutional Psychoses	70	178	248																0	4	4			
	13. Due to Other Metabolic, etc., Diseases	21	79	100							1	0	1	1	5	6	1	4	5	2	5	7	4	12	16
	14. Due to New Growth	1	0	1																1	0	1			
	15. With Organic Changes of Nervous System	41	41	82							0	1	1	2	2	4	2	1	3	2	2	5	7	3	10
	16. Psychoneuroses	36	55	91							1	2	3	5	2	7	1	6	7	3	5	8	3	14	17
	17. Manic-Depressive Psychoses	596	660	1,256							7	6	13	21	16	37	24	29	53	36	31	67	55	60	115
	18. Dementia Praecox (Schizophrenia)	3,261	3,131	6,392				1	3	4	36	39	75	166	84	250	288	166	454	413	261	674	430	350	780
	19. Paranoia and Paranoid Conditions	101	129	230													3	2	5	4	3	7	10	7	17
	20. With Psychopathic Personality	14	8	22										1	1	2	2	1	3	3	0	3	2	1	3
	21. With Mental Deficiency	310	312	622							5	6	11	25	18	43	33	28	61	42	30	72	37	47	84
	22. Undiagnosed Psychoses	18	11	29							1	0	1	1	0	1	1	0	1	1	2	3		1	1
WITHOUT PSYCHOSIS	231a. Epileptics not Psychotic or Feebleminded	60	47	107	0	1	1	3	1	4	5	5	10	9	10	19	9	8	17	4	6	10	8	8	16
	231b. Epileptics who are Feebleminded	193	222	415	6	8	14	30	17	47	40	35	75	32	43	75	23	29	52	19	25	44	11	18	29
	232. Alcoholism	19	2	21													0	1	1	3	0	3	5	0	5
	233. Drug Addiction	5	3	8													1	1	2	1	0	1			
	234. Mental Deficiency	1,326	1,410	2,736	89	57	146	171	108	279	294	282	576	190	233	423	144	159	303	109	137	246	0	105	177
	235. Disorders of Personality	1	5	6													0	1	1	1	1	2	72	1	1
	246. Psychopathic Personality	19	3	22													7	1	8	2	0	2	5	1	6
	24. Primary Behaviour Disorders	10	7	17							2	0	2	2	1	3	1	1	2						
	TOTAL 1–22	5,572	5,343	10,915				2	4	6	60	61	121	254	144	398	381	262	643	557	376	933	652	537	1,189
	TOTAL 23–24	1,633	1,699	3,332	95	66	161	204	126	330	341	322	663	233	287	520	185	201	386	129	169	308	101	133	234
	GRAND TOTAL	7,205	7,042	14,247	95	66	161	206	130	336	401	383	784	487	431	918	566	463	1,029	696	545	1,241	753	670	1,423

TABLE No. 9—(Concluded)

PATIENTS IN RESIDENCE BY AGE AND DIAGNOSIS

	DIAGNOSIS	40–44			45–49			50–54			55–59			60–64			65–69			70 AND OVER			UNASCERTAINED		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	90	17	107	69	14	83	61	13	74	49	7	56	27	2	29	8	2	10	7	2	9	2	0	2
	02. With Other Forms of Syphilis	3	3	6	6	0	6	2	1	3	1	1	2	2	1	3	0	3	3	0	1	1			
	03. With Epidemic Encephalitis	3	0	3	1	1	2				1	0	1	1	0	1	2	1	3	1	0	1			
	04. With Other Infectious Diseases													1	0	1				1	1	2			
	05. Alcoholic Psychoses	9	3	12	3	0	3	10	2	12	5	2	7	7	0	7	3	0	3	1	2	3			
	06a. Due to Opium and Other Drugs	2	0	2	1	0	1	1	2	3							1	1	2						
	06b. Due to Other Exogenous Toxins										0	1	1												
	07. Traumatic Psychoses	2	1	3	3	0	3	3	0	3	3	1	4	1	1	2	2	0	2	1	0	1			
	08. With Cerebral Arteriosclerosis				4	4	8	10	9	19	19	21	40	25	37	62	35	29	64	67	65	132	1	0	1
	09. With Other Disturbances of Circulation				0	1	1	0	2	2	1	0	1	1	1	2				1	0	1			
	10. With Convulsive Disorders (Epilepsy)	29	22	51	26	29	55	22	16	38	12	13	25	16	10	26	12	10	22	8	10	18	1	0	1
	11. Senile Psychoses				1	0	1				6	4	10	37	17	54	38	42	80	113	185	298	1	2	3
	12. Involutional Psychoses	1	14	15	5	24	29	17	47	64	17	33	50	19	20	39	5	17	22	6	17	23	0	2	2
	13. Due to Other Metabolic, etc., Diseases	2	7	9	1	6	7	1	7	8	4	19	23	1	4	5	3	7	10	0	2	2	0	1	1
	14. Due to New Growth																								
	15. With Organic Changes of Nervous System	2	8	10	10	4	14	4	4	8	3	6	9	1	4	5	4	4	8	3	2	5			
	16. Psychoneuroses	11	6	17	3	6	9	3	9	12	1	3	4	0	1	1	5	0	5	0	1	1			
	17. Manic-Depressive Psychoses	71	71	142	73	93	166	74	88	162	81	88	169	70	74	144	39	44	83	44	60	104	1	0	1
	18. Dementia Praecox (Schizophrenia)	413	400	813	417	384	801	362	379	741	270	368	638	218	268	486	148	223	371	94	197	291	5	9	14
	19. Paranoia and Paranoid Conditions	14	13	27	15	20	35	13	23	36	14	19	33	14	19	33	9	11	20	5	12	17			
	20. With Psychopathic Personality	1	1	2	0	3	3	2	1	3	2	0	2	1	0	1									
	21. With Mental Deficiency	38	32	70	38	41	79	29	34	63	30	35	65	16	22	38	9	11	20	6	7	13	2	1	3
	22. Undiagnosed Psychoses	1	2	3	4	1	5	5	1	6	1	2	3	2	1	3				1	1	2			
WITHOUT PSYCHOSIS	231a. Epileptics not Psychotic or Feebleminded	4	2	6	1	2	3	4	0	4	4	3	7	5	1	6	4	0	4						
	231b. Epileptics who are Feebleminded	11	19	30	10	12	22	5	7	12	1	4	5	1	4	5	4	0	4	0	1	1			
	232. Alcoholism	2	0	2	3	1	4	2	0	2	4	0	4												
	233. Drug Addiction	0	1	1	1	0	1	2	1	3															
	234. Mental Deficiency	77	69	146	51	66	117	41	71	112	42	40	82	23	45	68	13	18	31	9	19	28	1	1	2
	235. Disorders of Personality				0	1	1										0	1	1						
	246. Psychopathic Personality				2	0	2	1	0	1				2	1	3									
	24. Primary Behaviour Disorders	1	0	1	1	2	3	0	2	2	0	1	1	1	0	1	1	0	1	1	0	1			
	TOTAL 1–22	692	600	1,292	680	631	1,311	619	638	1,257	520	623	1,143	460	482	942	323	405	728	359	565	924	13	15	28
	TOTAL 23–24	95	91	186	69	84	153	55	81	136	51	48	99	32	51	83	22	19	41	10	20	30	1	1	2
	GRAND TOTAL	787	691	1,478	749	715	1,464	674	719	1,393	571	671	1,242	492	533	1,025	345	424	769	369	585	954	14	16	30

TABLE No. 10

PATIENTS IN RESIDENCE BY HOSPITAL AND AGE

Age Group	TOTAL			Brockville			Cobourg			Fort William			Hamilton			Kingston			London		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 15	301	196	497	...	...	...	...	...	...	...	...	...	0	2	2	...	...	...	1	1	2
15–19	401	383	784	5	8	13	0	72	72	...	...	...	15	6	21	8	5	13	12	4	16
20–24	487	431	918	29	19	48	0	88	88	11	0	11	34	11	45	26	10	36	26	20	46
25–29	566	463	1,029	46	30	76	0	37	37	13	0	13	62	40	102	31	15	46	70	44	114
30–34	696	545	1,241	49	37	86	0	40	40	7	0	7	77	48	125	58	15	73	81	53	134
35–39	753	670	1,423	65	60	125	0	26	26	14	0	14	108	80	188	73	53	126	88	86	174
40–44	787	691	1,478	75	66	141	0	13	13	11	0	11	97	106	203	75	77	152	116	93	209
45–49	749	715	1,464	65	63	128	0	19	19	7	0	7	101	109	210	101	72	173	100	102	202
50–54	674	719	1,393	70	72	142	0	26	26	9	0	9	111	78	189	59	79	138	81	106	187
55–59	571	671	1,242	41	57	98	0	32	32	7	0	7	89	91	180	72	78	150	99	103	202
60–64	492	533	1,025	44	48	92	0	22	22	5	0	5	77	86	163	63	63	126	84	66	150
65–69	345	424	769	39	42	81	0	30	30	4	0	4	48	56	104	38	42	80	62	65	127
70 and over	369	585	954	45	64	109	0	44	44	7	0	7	63	86	149	46	55	101	61	104	165
Not stated	14	16	30	1	2	3	...	...	...	2	0	2	3	3	6	5	3	8	...	...	...
Total	7,205	7,042	14,247	574	568	1,142	0	449	449	97	0	97	885	802	1,687	655	567	1,222	881	847	1,728

TABLE No. 10—(Concluded)

PATIENTS IN RESIDENCE BY HOSPITAL AND AGE

Age Group	New Toronto			Orillia			Penetano			Toronto			Whitby			Woodstock		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 15	...	...	...	294	188	482	...	...	...	1	0	1	...	...	...	5	5	10
15–19	13	19	32	283	229	512	27	4	31	15	11	26	7	4	11	16	21	37
20–24	73	43	116	149	143	292	40	9	49	27	16	43	33	28	61	39	44	83
25–29	79	54	133	89	102	191	30	22	52	44	31	75	69	49	118	33	39	72
30–34	14	83	197	62	73	135	44	25	69	76	63	139	99	65	164	29	43	72
35–39	102	90	192	36	60	96	51	20	71	74	74	148	101	86	187	41	35	76
40–44	142	91	233	34	36	70	32	17	49	76	60	136	94	97	191	35	35	70
45–49	97	70	167	21	33	54	38	34	72	77	72	149	119	107	226	23	34	57
50–54	108	67	175	14	35	49	42	28	70	44	79	123	112	133	245	24	16	40
55–59	58	60	118	15	23	38	31	34	65	53	74	127	94	105	199	12	14	26
60–64	54	40	94	6	25	31	18	34	52	43	48	91	78	93	171	20	8	28
65–69	45	48	93	2	9	11	11	11	22	29	39	68	54	75	129	13	7	20
70 and over	19	40	59	5	13	18	6	13	19	56	62	118	55	96	151	6	8	14
Not stated	1	4	5	1	1	2	0	1	1	...	...	...	1	2	3	...	...	...
Total	905	709	1,614	1,011	970	1,981	370	252	622	615	629	1,244	916	940	1,856	296	309	605

TABLE No. 11

PATIENTS IN RESIDENCE BY HOSPITAL AND DIAGNOSIS

	DIAGNOSIS	TOTAL			BROCKVILLE			COBOURG			FORT WILLIAM			HAMILTON			KINGSTON			LONDON		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	399	86	485	44	10	54				8	0	8	83	16	99	19	6	25	63	12	75
	02. With Other Forms of Syphilis	16	11	27	0	1	1	0	2	2							1	0	1	3	3	6
	03. With Epidemic Encephalitis	16	6	22	1	1	2							2	0	2	4	1	5	7	3	10
	04. With Other Infectious Diseases	2	3	5	1	1	2															
	05. Alcoholic Psychoses	55	12	67	4	1	5	0	1	1	2	0	2	4	2	6	0	1	1	5	0	5
	06a. Due to Opium and Other Drugs	6	7	13																		
	06b. Due to Other Exogenous Toxins	0	1	1										0	1	1						
	07. Traumatic Psychoses	21	4	25	2	0	2							6	2	8	1	0	1	3	1	4
	08. With Cerebral Arteriosclerosis	163	165	328	22	12	34	0	1	1	3	0	3	44	50	94	7	8	15	27	18	45
	09. With Other Disturbances of Circulation	3	4	7	1	0	1				1	0	1							0	1	1
	10. With Convulsive Disorders (Epilepsy)	226	190	416	3	2	5				2	0	2	18	5	23	10	8	18	11	2	13
	11. Senile Psychoses	196	250	446	27	33	60	0	12	12	6	0	6	21	28	49	20	21	41	25	42	67
	12. Involutional Psychoses	70	178	248	7	19	26	0	3	3				13	27	40	5	7	12	10	34	44
	13. Due to Other Metabolic, Etc., Diseases	21	79	100	0	4	4				2	0	2	0	12	12	0	2	2	3	9	12
	14. Due to New Growth	1	0	1																		
	15. With Organic Changes of Nervous System	41	41	82	1	0	1	0	1	1				8	4	12	5	0	5	3	6	9
	16. Psychoneuroses	36	55	91	3	4	7	0	1	1				6	14	20	7	4	11	1	10	11
	17. Manic-Depressive Psychoses	596	660	1,256	56	69	125	0	6	6	6	0	6	48	58	106	74	63	137	64	127	191
	18. Dementia Praecox (Schizophrenia)	3,261	3,131	6,392	331	354	685	0	116	116	52	0	52	485	483	968	357	323	680	519	489	1,008
	19. Paranoia and Paranoid Conditions	101	129	230	5	4	9	0	1	1	5	0	5	11	10	21	22	26	48	13	12	25
	20. With Psychopathic Personality	14	8	22	1	0	1							1		1	2	1	3	2	3	5
	21. With Mental Deficiency	310	312	622	33	30	63	0	16	16				49	50	99	56	52	108	56	34	90
	22. Undiagnosed Psychoses	18	11	29										1	2	3	2	0	2	4	4	8
WITHOUT PSYCHOSIS	231a. Epileptics Not Psychotic or Feebleminded	60	47	107	4	1	5				1	0	1				0	1	1			
	231b. Epileptics Who Are Feebleminded	193	222	415	1	2	3				2	0	2	3	0	3	1	0	1	1	0	1
	232. Alcoholism	19	2	21										2	0	2	1	0	1			
	233. Drug Addiction	5	3	8	0	1	1							1	0	1	1	0	1	1	0	1
	234. Mental Deficiency	1,326	1,410	2,736	24	17	41	0	288	288	7	0	7	75	36	111	60	43	103	58	36	94
	235. Disorders of Personality	1	5	6																0	1	1
	236. Psychopathic Personality	19	3	22	2	0	2							1	2	3				2	0	2
	241. Primary Behaviour Disorders	10	7	17	1	2	3	0	1	1				3	0	3						
	TOTAL 1–22	5,572	5,313	10,915	542	545	1,087	0	160	160	87	0	87	800	764	1,564	592	523	1,115	819	810	1,629
	TOTAL 23–24	1,633	1,699	3,332	32	23	55	0	289	289	10	0	10	85	38	123	63	44	107	62	37	99
	GRAND TOTAL	7,205	7,042	14,247	574	568	1,142	0	449	449	97	0	97	885	802	1,687	655	567	1,222	881	847	1,728

TABLE No. 11—(Concluded)

PATIENTS IN RESIDENCE BY HOSPITAL AND DIAGNOSIS

	DIAGNOSIS	New Toronto			Orillia			Penetang			Toronto			Whitby			Woodstock		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	64	13	77							67	21	88	51	8	59			
	02. With Other Forms of Syphilis	1	0	1				4	1	5	3	4	7	4	0	4			
	03. With Epidemic Encephalitis										1	1	2	1	0	1			
	04. With Other Infectious Diseases										1	2	3						
	05. Alcoholic Psychoses	17	2	19							9	4	13	14	1	15			
	06a. Due to Opium and Other Drugs	4	7	11							2	0	2						
	06b. Due to Other Exogenous Toxins																		
	07. Traumatic Psychoses	1	0	1				1	0	1	2	1	3	3	0	3	2	0	2
	08. With Cerebral Arteriosclerosis	12	20	32				0	1	1	33	34	67	15	21	36			
	09. With Other Disturbances of Circulation													1	3	4			
	10. With Convulsive Disorders (Epilepsy)	4	6	10	2	1	3	13	5	18	2	8	10	4	6	10	157	147	304
	11. Senile Psychoses	55	58	113				1	0	1	23	26	49	17	30	47	1	0	1
	12. Involutional Psychoses	9	42	51							8	17	25	18	29	47			
	13. Due to Other Metabolic, Etc., Diseases	5	13	18							2	5	7	9	34	43			
	14. Due to New Growth													1	0	1			
	15. With Organic Changes of Nervous System	1	2	3				3	0	3	13	23	36	7	5	12			
	16. Psychoneuroses	4	8	12				0	1	1	6	3	9	9	10	19			
	17. Manic-Depressive Psychoses	172	106	278				37	22	59	34	58	92	105	151	256			
	18. Dementia Praecox (Schizophrenia)	472	373	845	1	2	3	163	111	274	324	338	662	554	539	1,093	3	3	6
	19. Paranoia and Paranoid Conditions	22	17	39				3	1	4	7	4	11	13	54	67			
	20. With Psychopathic Personality	1	1	2				5	0	5				2	3	5			
	21. With Mental Deficiency	41	37	78	2	9	11	12	6	18	33	55	88	28	23	51			
	22. Undiagnosed Psychoses	3	0	3							4	4	8	4	1	5			
Without Psychosis	231a. Epileptics Not Psychotic or Feebleminded	1	2	3				6	0	6	0	2	2				48	41	89
	231b. Epileptics Who are Feebleminded				101	98	199	2	5	7				1	0	1	81	117	198
	232. Alcoholism	4	0	4							1	0	1	11	2	13			
	233. Drug Addiction										0	1	1	2	1	3			
	234. Mental Deficiency	7	2	9	905	860	1,765	108	96	204	39	17	56	39	15	54	4	0	4
	235. Disorders of Personality							1	3	4				0	1	1			
	236. Psychopathic Personality	2	0	2				11	0	11	0	1	1	1	0	1			
	241. Primary Behaviour Disorders	3	0	3							1	0	1	2	3	5	0	1	1
	Total 1–22	888	705	1,593	5	12	17	242	148	390	574	608	1,182	860	918	1,778	163	150	313
	Total 23–24	17	4	21	1,006	958	1,964	128	104	232	41	21	62	56	22	78	133	159	292
	Grand Total	905	709	1,614	1,011	970	1,981	370	252	622	615	629	1,244	916	940	1,856	296	309	605

TABLE No. 12

METHOD OF ADMISSION BY HOSPITAL

	Method of Admission	All Hospitals			Brockville			Cobourg			Fort William			Hamilton			Kingston			London		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
First Admissions	Voluntary Application	75	83	158	5	6	11							4	3	7	11	5	16	16	13	29
	Two Physicians' Certificates	766	923	1,689	86	87	173	0	40	40	13	0	13	80	107	187	60	66	126	101	147	248
	Warrant of Deputy Minister	260	94	354	1	0	1	0	5	5	34	0	34	23	4	27	3	2	5	23	3	26
	Warrant of Lieutenant-Governor	27	26	53				0	9	9	1	0	1	5		5	1	0	1	3	2	5
	Order of Magistrate	171	56	227	12	1	13				7	0	7	78	29	107	15	3	18	50	20	70
	Warrant of Minister of Justice	2	0	2													2	0	2			
	One Physician's Certificate, 30 days	24	19	43										20	17	37	1	1	2			
	Warrant of Deputy Minister for Person deported	6	7	13													1	1	2	2	5	7
	Habitue—Voluntary	52	4	56	2	3	5										10	0	10	5	0	5
	Habitue—Temporary Commitment—Two Pysicians' Certificates, 30 Days	9	0	9										1	0	1	2	0	2	3	0	3
	Habitue—Warrant of Deputy Minister for Removal	7	1	8										1	0	1	1	0	1			
	Total	1,399	1,213	2,612	106	97	203	0	54	54	55	0	55	212	160	372	107	78	185	203	190	393
Re-Admissions	Voluntary Application	66	55	121	8	7	15				2	0	2	4	0	4	16	6	22	8	7	15
	Two Physicians' Certificates	165	202	367	34	25	59	0	3	3	3	0	3	30	39	69	20	19	39	28	33	61
	Warrant of Deputy Minister	58	21	79							9	0	9	5	4	9	0	1	1	11		11
	Warrant of Lieutenant-Governor	3	0	3																		
	Order of Magistrate	35	9	44	3	0	3				3	0	3	13	6	19	1	1	2	15	2	17
	Warrant of Minister of Justice	0	0	0																		
	One Physician's Certificate, 30 days	5	3	8										4	3	7	1	0	1			
	Warrant of Deputy Minister for Person deported	2	2	4	0	2	2										1	0	1			
	Habitue—Voluntary	39	0	39													7	0	7	2	0	2
	Habitue—Temporary Commitment—Two Pysicians' Certificates, 30 Days	7	1	8	1	0	1							1	0	1				1	0	1
	Habitue—Warrant of Deputy Minister for Removal	4	0	4										1	0	1	2	0	2			
	Total	384	293	677	46	34	80	0	3	3	17	0	17	58	52	110	48	27	75	65	42	107

TABLE No. 12—(Concluded)

METHOD OF ADMISSION BY HOSPITAL

	METHOD OF ADMISSION	NEW TORONTO			ORILLIA			PENETANG			TORONTO			WHITBY			WOODSTOCK		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
FIRST ADMISSIONS	Voluntary Application	2	6	8							2	2	4	25	41	66	10	7	17
	Two Physicians' Certificates	63	68	131	118	79	197	8	25	33	97	102	199	97	178	275	43	24	67
	Warrant of Deputy Minister	42	28	70	8	8	16	1	0	1	60	18	78	59	24	83	6	2	8
	Warrant of Lieutenant-Governor	4	0	4	5	8	13	5	1	6	2	4	6	1	1	2	0	1	1
	Order of Magistrate	6	0	6							1	2	3	2	1	3			
	Warrant of Minister of Justice																		
	One Physician's Certificate, 30 Days													3	1	4			
	Warrant of Deputy Minister for Person Deported	1	1	2										2	0	2			
	Habitue—Voluntary	2	0	2							6	0	6	27	1	28			
	Habitue—Temporary Commitment — Two Physicians' Certificates—30 Days													3	0	3			
	Habitue—Warrant of Deputy Minister for Removal	2	0	2							1	0	1	2	1	3			
	TOTAL	122	103	225	131	95	226	14	26	40	169	128	297	221	248	469	59	34	93
RE-ADMISSIONS	Voluntary Application	1	1	2								4	4	24	28	52	3	2	5
	Two Physicians' Certificates	12	10	22	3	3	6	2	3	5	12	23	35	15	38	53	6	6	12
	Warrant of Deputy Minister	3	3	6	1	0	1				8	5	13	19	8	27	2	0	2
	Warrant of Lieutenant-Governor							1	0	1	2	0	2						
	Order of Magistrate																		
	Warrant of Minister of Justice																		
	One Physician's Certificate, 30 Days																		
	Warrant of Deputy Minister for Person Deported										1	0	1						
	Habitue—Voluntary	1	0	1							6	0	6	23	0	23			
	Habitue—Temporary Commitment — Two Physicians' Certificates—30 Days													4	1	5			
	Habitue—Warrant of Deputy Minister for Removal	1	0	1															
	TOTAL	18	14	32	4	3	7	3	3	6	29	32	61	85	75	160	11	8	19

TABLE No. 13

METHOD OF ADMISSION — FIRST AND RE-ADMISSIONS

METHOD OF ADMISSION	First Admissions			Re-Admissions		
	M.	F.	T.	M.	F.	T.
1. Voluntary Application (Sc. 19) (Form 1)......	**75**	**83**	**158**	**66**	**55**	**121**
2. Two Physician's Certificates (Sec. 20) (Form 2, 3, or 26).............	**766**	**923**	**1,689**	**165**	**202**	**367**
Mentally Ill (Form 2)...................	577	754	1,331	153	185	338
Mentally Defective (Form 3).............	146	145	291	6	10	16
Epileptic (Form 26)....................	43	24	67	6	7	13
3. Warrant of Deputy Minister (Sec. 25-30) (Form 11)....................	**260**	**94**	**354**	**58**	**21**	**79**
4. Warrant of Lieutenant-Governor (Sec. 32)....	**27**	**26**	**53**	**3**	**0**	**3**
5. Order of Magistrate (Sec. 35) (Form 16).....	**171**	**56**	**227***	**35**	**9**	**44**
Certificated	64	29	93	15	7	22
Discharged to Court......................	102	26	128	20	2	22
6. Warrant of Minister of Justice (Under Penitentiary Act).................	**2**	**0**	**2**	**0**	**0**	**0**
7. One Physician's Certificate, 30 days (Examination Unit) (Sec. 60) (Form 29)....	**24**	**19**	**43**	**5**	**3**	**8‡**
Certificated	9	10	19	3	2	5
Discharged	15	9	24	1	1	2
8. Warrant of Deputy Minister for person deported (Sec. 64) (Form 36)..............	**6**	**7**	**13**	**2**	**2**	**4**
9. Habitue—Voluntary (Sec. 46) (Form 20).....	**52**	**4**	**56**	**39**	**0**	**39**
10. Habitue — Temporary Committment — Two Physician's Certificates, 30 days, (Sec. 52 - 53) (Form 25)..................	**9**	**0**	**9**	**7**	**1**	**8**
Certificated	0	0	0	0	0	0
Discharged	9	0	9	7	1	8
11. Habitue — Warrant of Deputy Minister for Removal (Sec. 47 - 51) (Form 24)..........	**7**	**1**	**8**	**4**	**0**	**4**
Total Admissions	**1.399**	**1,213**	**2,612**	**384**	**293**	**677**

* Includes 4 male patients and 1 female patient who died and 1 male patient in abeyance

‡ Includes 1 male patient who died.

TABLE No. 14

ADMISSIONS BY PLACE OF BIRTH AND NATIVITY OF PARENTS

NATIVITY	First Admissions			Re-Admissions			TOTAL		
	M	F	T	M	F	T	M	F	T
Canadian Born	1,025	910	1,935	309	207	516	1,334	1,117	2,451
Canadian born parents	535	488	1,023	190	123	313	725	611	1,336
British born parents	190	171	361	57	43	100	247	214	461
Foreign born parents	61	37	98	15	5	20	76	42	118
Mixed parentage	106	111	217	27	17	44	133	128	261
Unknown parentage	133	103	236	20	19	39	153	122	275
British born	175	185	360	39	57	96	214	242	456
Foreign born	192	113	305	34	26	60	226	139	365
Unknown	7	5	12	2	3	5	9	8	17
Total	1,399	1,213	2.612	384	293	677	1,783	1,506	3,282

TABLE No. 15

LENGTH OF RESIDENCE IN CANADA PREVIOUS TO ADMISSION BRITISH AND FOREIGN BORN ADMISSIONS

LENGTH OF RESIDENCE IN CANADA	First Admissions			Re-Admissions			TOTAL		
	M	F	T	M	F	T	M	F	T
Under 5 years	19	12	31	0	1	1	19	13	32
5-9 years	26	19	45	1	4	5	27	23	50
10-14 years	76	39	115	13	10	23	89	49	138
15 years and over	217	203	420	58	66	124	275	269	544
Not stated	29	25	54	1	2	3	30	27	57
TOTAL	367	298	665	73	83	156	440	381	821

TABLE No. 16

FIRST AND RE-ADMISSIONS BY DIAGNOSIS

DIAGNOSIS	First Admissions			Re-Admissions		
	M.	F.	T.	M.	F.	T.
01 Psychoses with Syphilitic Meningo-Encephalitis (General Paresis)	97	25	122	8	3	11
02 Psychoses with other Forms of Syphilis of Central Nervous System	4	2	6	0	0	0
021 Meningo-vascular type (cerebral syphilis)	1	1	2	0	0	0
022 With intracranial gumma	0	0	0	0	0	0
023 Other types	3	1	4	0	0	0
03 Psychoses with Epidemic Encephalitis	2	2	4	1	0	1
04 Psychoses with other Infectious Diseases	4	3	7	0	0	0
041 With tuberculous meningitis	0	0	0	0	0	0
042 With meningitis (unspecified)	0	0	0	0	0	0
043 With acute chorea (Sydenham's)	0	0	0	0	0	0
044 With other infectious disease	3	3	6	0	0	0
045 Post-infectious psychoses	1	0	1	0	0	0
05 Alcoholic Psychoses	40	2	42	8	1	9
051 Pathological intoxication	4	0	4	1	0	1
052 Delirium tremens	6	0	6	1	0	1
053 Korsakow's psychosis	3	0	3	1	0	1
054 Acute hallucinosis	18	2	20	3	1	4
055 Other types	9	0	9	2	0	2
06 Psychoses due to Drugs or other Exogenous Poisons	8	6	14	1	1	2
061 Due to metals	0	0	0	0	0	0
062 Due to gases	0	0	0	0	0	0
063 Due to opium and derivatives	1	0	1	0	0	0
064 Due to other drugs	7	6	13	1	1	2
07 Traumatic Psychoses	6	1	7	0	0	0
071 Traumatic delirium	1	1	2	0	0	0
072 Post-traumatic personality disorders	2	0	2	0	0	0
073 Post-traumatic mental deteriorations	2	0	2	0	0	0
074 Other types	1	0	1	0	0	0
08 Psychoses with Cerebral Arteriosclerosis	91	87	178	10	14	24
09 Psychoses with other Disturbances of Circulation	4	10	14	0	0	0
091 With cerebral embolism	0	1	1	0	0	0
092 With cardio-renal disease	3	5	8	0	0	0
093 Other types	1	4	5	0	0	0
10 Psychoses with Convulsive Disorders (epilepsy)	28	20	48	5	7	12
101 Epileptic deterioration	6	8	14	4	3	7
102 Epileptic clouded states	13	9	22	1	3	4
103 Other epileptic types	9	3	12	0	1	1
11 Senile Psychoses	74	91	165	7	7	14
111 Simple deterioration	37	48	85	3	4	7
112 Presbyophrenic type	3	3	6	0	0	0
113 Delirious and confused types	8	12	20	2	0	2
114 Depressed and agitated types	12	14	26	1	1	2
115 Paranoid types	14	14	28	1	2	3
12 Involutional Psychoses	30	65	95	2	7	9
121 Melancholia	22	51	73	1	6	7
122 Paranoid types	4	13	17	0	0	0
123 Other types	4	1	5	1	1	2
13 Psychoses due to other Metabolic, etc., Diseases	15	37	52	2	2	4
131 With diseases of the endocrine glands	1	4	5	0	0	0
132 Exhaustion delirium	3	12	15	0	2	2
133 Alzheimer's disease	0	2	2	0	0	0
134 With pellagra	0	0	0	0	0	0
135 With other somatic diseases	11	19	30	2	0	2
14 Psychoses due to New Growth	0	0	0	0	0	0
141 With intracranial neoplasms	0	0	0	0	0	0
142 With other neoplasms	0	0	0	0	0	0
15 Psychoses with Organic changes of Nervous System	7	8	15	1	1	2
151 With multiple sclerosis	0	0	0	0	0	0
152 With paralysis agitans	0	2	2	1	0	1
153 With Huntington's chorea	2	0	2	0	0	0
154 With other brain or nervous diseases	5	6	11	0	1	1

TABLE No. 16

FIRST AND RE-ADMISSIONS BY DIAGNOSIS—Concluded

DIAGNOSIS	First Admissions			Re-Admissions		
	M.	F.	T.	M.	F.	T.
16 Psychoneuroses	45	67	112	9	9	18
161 Hysteria (anxiety hysteria, conversion hysteria and sub groups)	7	12	19	3	2	5
162 Psychasthenia or compulsive states (and sub groups)	4	4	8	0	0	0
163 Neurasthenia	8	9	17	2	1	3
164 Hypochondriasis	0	2	2	0	0	0
165 Reactive depression (simple situational reaction, others)	18	30	48	3	3	6
166 Anxiety state	7	2	9	1	1	2
167 Mixed psychoneurosis	1	8	9	0	2	2
17 Manic-Depressive Psychoses	135	181	316	93	116	209
171 Manic type	55	72	127	51	70	121
172 Depressive type	61	67	128	37	36	73
173 Circular type	1	2	3	0	3	3
174 Mixed type	15	35	50	5	6	11
175 Perplexed type	0	1	1	0	0	0
176 Stuporous type	0	1	1	0	0	0
177 Other types	3	3	6	0	1	1
18 Dementia Praecox (Schizophrenia)	316	270	586	115	77	192
181 Simple type	46	19	65	11	4	15
182 Hebephrenic type	27	22	49	5	10	15
183 Catatonic type	122	119	241	53	37	90
184 Paranoid type	107	91	198	45	22	67
185 Other types	14	19	33	1	4	5
19 Paranoia and Paranoid Conditions	26	25	51	11	5	16
191 Paranoia	3	1	4	0	4	4
192 Paranoid conditions	23	24	47	11	1	12
20 Psychoses with Psychopathic Personality	5	1	6	1	0	1
21 Psychoses with Mental Deficiency	23	29	52	10	18	28
22 Undiagnosed Psychoses	12	12	24	2	0	2
23 Without Psychoses	382	249	631	94	23	117
231a Epileptics not psychotic or feebleminded	31	15	46	5	7	12
231b Epileptics who are feebleminded	25	24	49	4	2	6
232 Alcoholism	61	9	70	42	2	44
233 Drug Addiction	18	5	23	10	1	11
234 Mental Deficiency	215	189	404	21	11	32
234a Idiot	53	28	81	2	0	2
234b Imbecile	68	49	117	3	3	6
234c Moron	72	105	177	11	8	19
234d Grade unspecified	22	7	29	5	0	5
235 Disorders of personality due to epidemic encephalitis	3	3	6	0	0	0
236 Psychopathic personality	29	4	33	12	0	12
236a With pathological sexuality	2	0	2	0	0	0
236b With pathological emotionality	0	0	0	2	0	2
236c With asocial or amoral trends	17	3	20	8	0	8
236d Mixed types	10	1	11	2	0	2
24 Primary Behaviour Disorders	45	20	65	4	2	6
241 Simple adult maladjustments	43	20	63	4	2	6
242 Primary behaviour disorders in children	0	0	0	0	0	0
242a Habit disturbance	0	0	0	0	0	0
242b Conduct disturbance	2	0	2	0	0	0
242c Neurotic traits	0	0	0	0	0	0
TOTAL 1–22	972	944	1,916	286	268	554
TOTAL 23–24	427	269	696	98	25	123
GRAND TOTAL	1,399	1,213	2,612	384	293	677

TABLE No. 17

ADMISSIONS BY CITIZENSHIP

CITIZENSHIP	First Admissions			Re-Admissions			TOTAL		
	M	F	T	M	F	T	M	F	T
Canadian by birth	1,023	098	1,931	311	207	518	1,334	1.115	2,449
British born who have resided in Canada five years or more	165	176	341	37	55	92	202	231	433
British born with less than five years residence in Canada	3	2	5	–	–	–	3	2	5
British born, length of residence unknown	10	9	19	1	1	2	11	10	21
Alien born (naturalized)	39	24	63	9	5	14	48	29	77
Alien born with five years or more residence in Canada	126	71	197	23	23	46	149	94	243
Alien born with less than five years residence	14	7	21	0	1	1	14	8	22
Alien born, duration of residence unknown	14	11	25	2	0	2	16	11	27
Not given	5	5	10	1	1	2	6	6	12
TOTAL	1,399	1,213	2,612	384	293	677	1,783	1,506	3,289

TABLE No. 18

FIRST ADMISSIONS BY DIAGNOSIS AND HOSPITAL

	DIAGNOSIS	Brockville	Cobourg	Fort William	Hamilton	Kingston	London	New Toronto	Orillia	Penetang	Toronto	Whitby	Woodstock	ALL HOSPITALS
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	7	0	6	26	8	16	16	0	0	22	21	0	122
	02. With Other Forms of Syphilis	1	0	0	0	0	2	0	0	0	3	0	0	6
	03. With Epidemic Encephalitis	1	0	0	1	1	1	0	0	0	0	0	0	4
	04. With Other Infectious Diseases	1	0	0	2	1	2	1	0	0	0	0	0	7
	05. Alcoholic Psychoses	5	0	1	5	1	6	6	0	0	7	11	0	42
	06. Psychoses Due to Drugs or Other Exogenous Poisons	0	0	0	2	0	3	6	0	0	2	1	0	14
	07. Traumatic Psychoses	0	0	0	1	0	2	1	0	0	0	2	1	7
	08. With Cerebral Arterio Sclerosis	14	0	1	48	8	26	14	0	2	44	21	0	178
	09. With Other Disturbances of Circulation	1	0	0	1	3	2	0	0	0	0	7	0	14
	10. With Convulsive Disorders (Epilepsy)	0	0	1	2	5	1	0	0	0	4	4	31	48
	11. Senile Psychoses	23	0	3	19	18	31	9	0	1	21	40	0	165
	12. Involutional Psychoses	8	0	0	13	4	18	4	0	1	8	39	0	95
	13. Due to Other Metabolic, Etc., Diseases	1	0	2	2	6	15	6	0	4	4	12	0	52
	14. Due to New Growth	0	0	0	0	0	0	0	0	0	0	0	0	0
	15. With Organic Changes of Nervous System	1	0	1	3	2	0	1	0	0	6	1	0	15
	16. Psycho Neuroses	14	1	0	23	10	15	8	0	1	10	30	0	112
	17. Manic-Depressive Psychoses	15	0	7	40	25	74	50	0	3	25	77	0	316
	18. Dementia Praecox (Schizophrenia)	73	0	27	91	30	83	65	0	1	98	118	0	586
	19. Paranoia and Paranoid Conditions	0	0	0	6	12	10	7	0	0	1	15	0	51
	20. With Psychopathic Personality	2	0	0	0	3	0	1	0	0	0	0	0	6
	21. With Mental Deficiency	8	0	1	10	5	6	4	1	3	11	3	0	52
	22. Undiagnosed Psychoses	0	0	0	1	3	12	5	0	0	0	3	0	24
WITHOUT PSYCHOSIS	231A. Epileptics Not Psychotic or Feebleminded	2	0	0	0	1	3	3	0	0	0	2	35	46
	231B. Epileptics who are Feebleminded	1	0	0	0	1	3	0	18	1	0	0	25	49
	232. Alcoholism	3	0	0	7	13	10	6	0	1	5	25	0	70
	233. Drug Addiction	2	0	0	1	3	4	0	0	0	1	12	0	23
	234. Mental Deficiency	16	52	5	30	16	29	4	207	21	18	6	0	404
	235. Disorders of Personality	0	0	0	0	0	3	0	0	0	0	3	0	6
	236. Psychopathic Personality	1	0	0	10	4	9	3	0	1	5	0	0	33
	24. Primary Behaviour Disorders	3	1	0	28	2	7	5	0	0	2	16	1	65
	TOTAL 1–22	175	1	50	296	145	325	204	1	16	266	405	32	1,916
	TOTAL 23–24	28	53	5	76	40	68	21	225	24	31	64	61	696
	GRAND TOTAL	203	54	55	372	185	393	225	226	40	297	469	93	2,612

TABLE No. 19

FIRST ADMISSIONS BY PLACE OF RESIDENCE AND DIAGNOSIS

	DIAGNOSIS	URBAN									RURAL (Including incorporated places under 1,000)			TOTAL		
		Population 30,000 and over			Population 10,000 to 30,0000			Population 1,000 to 10,000								
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	47	12	59	17	7	24	19	3	22	14	3	17	97	25	122
	02. With Other Forms of Syphilis	2	–	2	–	1	1	2	1	3	–	–	–	4	2	6
	03. With Epidemic Encephalitis	1	–	1	–	–	–	1	–	1	–	2	2	2	2	4
	04. With Other Infectious Diseases	2	–	2	–	–	–	1	1	2	1	2	3	4	3	7
	05. Alcoholic Psychoses	17	1	18	8	–	8	7	–	7	8	1	9	40	2	42
	06a. Due to Opium and Other Drugs	2	1	3	1	2	3	2	2	4	1	–	1	6	5	11
	06b. Due to Other Exogenous Toxins	–	1	1	1	–	1	–	–	–	1	–	1	2	1	3
	07. Traumatic Psychoses	1	–	1	1	1	2	2	–	2	2	–	2	6	1	7
	08. With Cerebral Arteriosclerosis	44	48	92	12	13	25	13	13	26	22	13	35	91	87	178
	09. With Other Disturbances of Circulation	1	4	5	2	3	5	1	1	2	–	2	2	4	10	14
	10. With Convulsive Disorders (Epilepsy)	10	9	19	3	4	7	1	2	3	14	5	19	28	20	48
	11. Senile Psychoses	31	37	68	9	18	27	13	17	30	21	19	40	74	91	165
	12. Involutional Psychoses	15	26	41	2	5	7	1	11	12	12	23	35	30	65	95
	13. Due to Other Metabolic, etc. Diseases	6	13	19	2	6	8	3	5	8	4	13	17	15	37	52
	14. Due to New Growth	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	15. With Organic Changes of Nervous System	5	3	8	1	1	2	–	1	1	1	3	4	7	8	15
	16. Psychoneuroses	22	28	50	5	10	15	5	11	16	13	18	31	45	67	112
	17. Manic-Depressive Psychoses	56	85	141	13	22	35	13	26	39	53	48	101	135	181	316
	18. Dementia Praecox (Schizophrenia)	143	127	270	46	40	86	34	34	68	93	69	162	316	270	586
	19. Paranoia and Paranoid Conditions	11	9	20	4	5	9	3	3	6	8	8	16	26	25	51
	20. With Psychopathic Personality	1	–	1	3	–	3	1	1	2	–	–	–	5	1	6
	21. With Mental Deficiency	7	10	17	5	7	12	1	4	5	10	8	18	23	29	52
	22. Undiagnosed Psychoses	2	4	6	2	3	5	3	1	4	5	4	9	12	12	24
Without Psychosis	231a. Epileptics not Psychotic or Feebleminded	10	8	18	5	1	6	6	3	9	10	3	13	31	15	46
	231b. Epileptics who are Feebleminded	8	8	16	6	3	9	1	–	1	10	13	23	25	24	49
	232. Alcoholism	34	6	40	13	1	14	8	1	9	6	1	7	61	9	70
	233. Drug Addiction	11	4	15	1	–	1	3	1	4	3	—	3	18	5	23
	234. Mental Deficiency	78	91	169	22	16	38	31	29	60	84	53	137	215	189	404
	235. Disorders of Personality	–	2	2	2	1	3	–	–	–	1	–	1	3	3	6
	236. Psychopathic Personality	13	—	13	5	1	6	5	2	7	6	1	7	29	4	33
	24. Primary Behaviour Disorders	16	12	28	6	3	9	7	1	8	16	4	20	45	20	65
	Total 1-22	426	418	844	137	148	285	126	137	263	283	241	524	972	944	1916
	Total 23-24	170	131	301	60	26	86	61	37	98	136	75	211	427	269	696
	GRAND TOTAL	596	549	1,145	197	174	371	187	174	361	419	316	735	1,399	1,213	2,612

TABLE No. 20

FIRST ADMISSIONS BY MARITAL STATUS AND DIAGNOSIS

	DIAGNOSIS	Single			Married			Widowed			Divorced			Separated			TOTAL		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	27	3	30	61	15	76	5	4	9	0	1	1	3	2	5	97	25	122*
	02. With Other Forms of Syphilis	2	0	2	1	1	2	0	1	1	0	0	0	1	0	1	4	2	6
	03. With Epidemic Encephalitis	1	1	2	1	1	2	0	0	0	0	0	0	0	0	0	2	2	4
	04. With Other Infectious Diseases	1	0	1	3	3	6	0	0	0	0	0	0	0	0	0	4	3	7
	05. Alcoholic Psychoses	20	0	20	20	1	21	0	0	0	0	1	1	0	0	0	40	2	42
	06a. Due to Opium and Other Drugs	1	0	1	4	3	7	1	0	1	0	0	0	0	2	2	6	5	11
	06b. Due to Other Exogenous Toxins	1	0	1	1	1	2	0	0	0	0	0	0	0	0	0	2	1	3
	07. Traumatic Psychoses	3	0	3	2	0	2	0	1	1	0	0	0	1	0	1	6	1	7
	08. With Cerebral Arteriosclerosis	12	14	26	54	40	94	21	31	52	1	0	1	3	2	5	91	87	178
	09. With Other Disturbances of Circulation	1	0	1	2	6	8	1	3	4	0	0	0	0	1	1	4	10	14
	10. With Convulsive Disorders (Epilepsy)	19	11	30	7	7	14	1	2	3	1	0	1	0	0	0	28	20	48
	11. Senile Psychoses	9	19	28	36	25	61	26	46	72	1	0	1	1	1	2	74	91	165*
	12. Involutional Psychoses	6	17	23	20	33	53	3	12	15	0	1	1	1	2	3	30	65	95
	13. Due to Other Metabolic, etc., Diseases	6	2	8	8	29	37	0	4	4	0	0	0	1	2	3	15	37	52
	14. Due to New Growth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15. With Organic Changes of Nervous System	2	1	3	3	5	8	1	2	3	0	0	0	1	0	1	7	8	15
	16. Psychoneuroses	16	22	38	27	34	61	0	9	9	0	1	1	2	1	3	45	67	112
	17. Manic-Depressive Psychoses	48	57	105	78	99	177	5	18	23	3	1	4	1	6	7	135	181	316
	18. Dementia Praecox (Schizophrenia)	241	138	379	57	115	172	7	10	17	1	3	4	10	4	14	316	270	586
	19. Paranoia and Paranoid Conditions	9	6	15	14	12	26	1	7	8	0	0	0	2	0	2	26	25	51
	20. With Psychopathic Personality	3	1	4	1	0	1	1	0	1	0	0	0	0	0	0	5	1	6
	21. With Mental Deficiency	20	17	37	3	9	12	0	0	0	0	0	0	0	3	3	23	29	52
	22. Undiagnosed Psychoses	3	3	6	7	7	14	1	1	2	1	1	2	0	0	0	12	12	24
Without Psychosis	231a. Epileptics not Psychotic or Feebleminded	23	9	32	7	5	12	1	0	1	0	1	1	0	0	0	31	15	46
	231b. Epileptics who are Feebleminded	24	23	47	1	1	2	0	0	0	0	0	0	0	0	0	25	24	49
	232. Alcoholism	16	3	19	36	2	38	3	1	4	0	0	0	6	3	9	61	9	70
	233. Drug Addiction	4	3	7	9	1	10	2	0	2	0	0	0	3	1	4	18	5	23
	234. Mental Deficiency	209	171	380	6	15	21	0	1	1	0	0	0	0	2	2	215	189	404
	235. Disorders of Personality	1	3	4	1	0	1	1	0	1	0	0	0	0	0	0	3	3	6
	236. Psychopathic Personality	17	2	19	10	2	12	1	0	1	0	0	0	1	0	1	29	4	33
	24. Primary Behaviour Disorders	24	9	33	14	7	21	2	1	3	0	1	1	4	2	6	45	20	65*
	TOTAL 1–22	451	312	763	410	446	856	74	151	225	8	9	17	27	26	53	972	944	1,916
	TOTAL 23–24	318	223	541	84	33	117	10	3	13	0	2	2	14	8	22	427	269	696
	GRAND TOTAL	769	535	1,304	494	479	973	84	154	238	8	11	19	41	34	75	1,399	1,213	2,612

*Includes one male patient in whom marital status was unascertained.

TABLE No. 21

FIRST ADMISSIONS BY AGE AND DIAGNOSIS

	DIAGNOSIS	TOTAL			AGE GROUP																				
					Under 10			10–14			15–19			20–24			25–29			30–34			35–39		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	97	25	122							2	1	3	2	0	2	8	2	10	9	1	10	9	4	13
	02. With Other Forms of Syphilis	4	2	6																			2	0	2
	03. With Epidemic Encephalitis	2	2	4										1	1	2							0	1	1
	04. With Other Infectious Diseases	4	3	7													0	1	1	1	0	1	1	0	1
	05. Alcoholic Psychoses	40	2	42										2	0	2	2	1	3	6	0	6	9	0	9
	06a. Due to Opium and Other Drugs	6	5	11																0	2	2			
	06b. Due to Other Exogenous Toxins	2	1	3																					
	07. Traumatic Psychoses	6	1	7										3	0	3							1	0	1
	08. With Cerebral Arteriosclerosis	91	87	178																					
	09. With Other Disturbances of Circulation	4	10	14																			1	1	2
	10. With Convulsive Disorders (Epilepsy)	28	20	48				0	1	1	3	2	5	6	1	7	2	4	6	2	3	5	3	1	4
	11. Senile Psychoses	74	91	165																					
	12. Involutional Psychoses	30	65	95																0	1	1			
	13. Due to Other Metabolic, etc., Diseases	15	37	52										0	2	2	0	6	6	1	4	5	0	7	7
	14. Due to New Growth	0	0	0																					
	15. With Organic Changes of Nervous System	7	8	15										1	0	1				2	1	3	0	1	1
	16. Psychoneuroses	45	67	112							1	3	4	6	6	12	3	10	13	9	6	15	5	10	15
	17. Manic-Depressive Psychoses	135	181	316							6	7	13	10	10	20	11	28	39	8	18	26	20	23	43
	18. Dementia Praecox (Schizophrenia)	316	270	586				1	5	6	31	23	54	58	34	92	70	40	110	51	40	91	47	43	90
	19. Paranoia and Paranoid Conditions	26	25	51													0	1	1	4	1	5	0	5	5
	20. With Psychopathic Personality	5	1	6										3	0	3	1	0	1						
	21. With Mental Deficiency	23	29	52							1	5	6	4	6	10	4	2	6	2	4	6	3	3	6
	22. Undiagnosed Psychoses	12	12	24							1	1	2	1	3	4	2	1	3	1	2	3	0	3	3
Without Psychosis	231a. Epileptics not Psychotic or Feebleminded	31	15	46	0	1	1	4	1	5	4	1	5	6	6	12	5	1	6	1	1	2	4	2	6
	231b. Epileptics who are Feebleminded	25	24	49	4	5	9	7	6	13	5	4	9	3	4	7	2	1	3		1	1	1	0	1
	232. Alcoholism	61	9	70										2	0	2	2	2	4	9	1	10	14	1	15
	233. Drug Addiction	18	5	23										1	0	1	1	2	3	4	0	4	3	1	4
	234. Mental Deficiency	215	189	404	52	30	82	35	24	59	52	66	118	18	18	36	13	15	28	14	13	27	5	9	14
	235. Disorders of Personality	3	3	6											1	1	0	1	1	1	0	1	1	1	2
	236. Psychopathic Personality	29	4	33							8	2	10	2		2	4	0	4	3	1	4	6	1	7
	21. Primary Behaviour Disorders	45	20	65							5	2	7	5	2	7	7	6	11	2	4	6	4	0	4
	TOTAL 1–22	972	944	1,916	0	0	0	1	6	7	45	42	87	97	63	160	103	96	199	96	83	179	101	102	203
	TOTAL 23–24	427	269	696	56	36	92	46	31	77	74	75	149	37	31	68	34	28	62	34	21	55	38	15	53
	GRAND TOTAL	1,399	1,213	2,612	56	36	92	47	37	84	119	117	236	134	94	228	137	124	261	130	104	234	139	117	256

TABLE No. 21—(Concluded)

FIRST ADMISSIONS BY AGE AND DIAGNOSIS

	DIAGNOSIS	AGE GROUP																								
		40–44			45–49			50–54			55–59			60–64			65–69			70 and over			Unascertained		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	25	6	31	17	7	24	8	3	11	8	0	8	6	1	7	1	0	1	1	0	1	1	0	1
	02. With Other Forms of Syphilis	2	2	4																					
	03. With Epidemic Encephalitis	1	0	1																					
	04. With Other Infectious Diseases				1	2	3	1	0	1															
	05. Alcoholic Psychoses	5	1	6	3	0	3	8	0	8	1	0	1	3	0	3				1	0	1			
	06a. Due to Opium and Other Drugs							1	2	3	1	0	1	1	0	1	3	1	4						
	06b. Due to Other Exogenous Toxins	1	1	2	1	0	1																		
	07. Traumatic Psychoses	1	0	1							1	0	1							0	1	1			
	08. With Cerebral Arteriosclerosis	1	0	1		2	2	5	6	11	9	18	27	21	17	38	13	21	34	42	23	65			
	09. With Other Disturbances of Circulation	0	1	1	1	2	3	0	2	2	0	1	1	0	1	1	0	2	2	2	0	2			
	10. With Convulsive Disorders (Epilepsy)	3	1	4	2	1	3	3	3	6	2	1	3	2	1	3	0	1	1						
	11. Senile Psychoses							0	1	1	1	2	3	8	5	13	9	18	27	56	65	121			
	12. Involutional Psychoses	1	5	6	5	14	19	5	23	28	9	15	24	8	6	14	2	1	3						
	13. Due to Other Metabolic, etc., Diseases	1	3	4	0	5	5	4	4	8	4	3	7	1	2	3	2	1	3	2	0	2			
	14. Due to New Growth																								
	15. With Organic Changes of Nervous System	0	2	2	2	0	2	1	1	2				0	2	2	1	1	2						
	16. Psychoneuroses	7	12	19	7	6	13	4	3	7	0	6	6	1	3	4	2	1	3	0	1	1			
	17. Manic-Depressive Psychoses	16	18	34	15	23	38	16	21	37	12	16	28	13	10	23	4	4	8	4	3	7			
	18. Dementia Praecox (Schizophrenia)	27	31	58	14	24	38	9	12	21	5	8	13	3	7	10	0	1	1	0	2	2			
	19. Paranoia and Paranoid Conditions	4	3	7	3	3	6	4	4	8	3	2	5	6	3	9	1	2	3	1	1	2			
	20. With Psychopathic Personality	1	0	1	0	1	1																		
	21. With Mental Deficiency	1	3	4	5	4	9	2	1	3	1	0	1				0	1	1						
	22. Undiagnosed Psychoses	1	0	1	2	0	2	2	2	4	2	0	2												
Without Psychosis	231a. Epileptics Not Psychotic or Feebleminded	0	2	2	1	0	1	2	0	2	2	0	2	2	0	2									
	231b. Epileptics who are Feebleminded	2	2	4	0	1	1	1	0	1															
	232. Alcoholism	13	1	14	9	3	12	3	1	4	4	0	4	3	0	3	2	0	2						
	233. Drug Addiction	5	1	6	2	1	3				1	0	1				1	0	1						
	234. Mental Deficiency	7	5	12	8	6	14	4	1	5	3	0	3	2	2	4	1	0	1	1	0	1			
	235. Disorders of Personality							1	0	1															
	236. Psychopathic Personality				3	0	3	1	0	1							2	0	2						
	24. Primary Behaviour Disorders	2	0	2	5	2	7	4	2	6	3	2	5	2	0	2	2	0	2	4	0	4			
	Total 1–22	98	89	187	78	94	172	73	88	161	59	72	131	73	58	131	38	55	93	109	96	205	1	0	1
	Total 23–24	29	11	40	28	13	41	16	4	20	13	2	15	9	2	11	8	0	8	5	0	5			
	Grand Total	127	100	227	106	107	213	89	92	181	72	74	146	82	60	142	46	55	101	114	96	201	1	0	1

TABLE No. 22

FIRST ADMISSIONS BY RACIAL ORIGIN AND DIAGNOSIS

	DIAGNOSIS	TOTAL			English			Irish			Scotch			French			German			Hebrew			Italian		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	97	25	122	33	11	44	10	2	12	10	4	14	12	2	14	4	1	5	0	0	0	4	0	4
	02. With Other Forms of Syphilis	4	2	6	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03. With Epidemic Encephalitis	2	2	4	1	1	2	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0
	04. With Other Infectious Diseases	4	3	7	3	3	6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05. Alcoholic Psychoses	40	2	42	10	0	10	11	0	11	3	0	3	4	0	4	0	1	1	0	0	0	0	0	0
	06a. Due to Opium and Other Drugs	6	5	11	4	1	5	1	3	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	06b. Due to Other Exogenous Toxins	2	1	3	1	1	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	07. Traumatic Psychoses	6	1	7	3	1	4	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	08. With Cerebral Arteriosclerosis	91	87	178	43	40	83	15	19	34	17	16	33	7	2	9	2	0	2	0	2	2	0	0	0
	09. With Other Disturbances of Circulation	4	10	14	1	5	6	1	2	3	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
	10. With Convulsive Disorders (Epilepsy)	28	20	48	16	10	26	7	2	9	2	1	3	1	2	3	0	2	2	0	1	1	0	1	1
	11. Senile Psychoses	74	91	165	34	42	76	13	20	33	13	15	28	9	3	12	0	2	2	0	1	1	1	0	1
	12. Involutional Psychoses	30	65	95	15	28	43	4	16	20	4	7	11	3	3	6	0	3	3	0	0	0	0	3	3
	13. Due to Other Metabolic, etc., Diseases	15	37	52	6	20	26	1	4	5	2	4	6	4	3	7	0	1	1	0	0	0	0	1	1
	14. Due to New Growth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15. With Organic Changes of Nervous System	7	8	15	5	3	8	1	2	3	0	2	2	1	0	1	0	0	0	0	0	0	0	0	0
	16. Psychoneuroses	45	67	112	17	32	49	10	9	19	2	6	8	4	8	12	3	6	9	1	0	1	0	0	0
	17. Manic-Depressive Psychoses	135	181	316	46	77	123	19	32	51	24	22	46	10	12	22	12	6	18	1	3	4	0	2	2
	18. Dementia Praecox (Schizophrenia)	316	270	586	106	104	210	40	30	70	24	33	57	38	26	64	13	16	29	6	6	12	5	2	7
	19. Paranoia and Paranoid Conditions	26	25	51	9	12	21	3	4	7	4	4	8	1	1	2	2	2	4	0	0	0	1	0	1
	20. With Psychopathic Personality	5	1	6	1	1	2	1	0	1	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0
	21. With Mental Deficiency	23	29	52	6	12	18	5	3	8	1	2	3	3	6	9	2	0	2	1	0	1	1	1	2
	22. Undiagnosed Psychoses	12	12	24	6	5	11	2	1	3	1	0	1	1	3	4	0	1	1	0	0	0	0	0	0
WITHOUT PSYCHOSIS	231a. Epileptics not Psychotic or Feebleminded	31	15	46	12	5	17	3	3	6	3	2	5	7	5	12	1	0	1	0	0	0	1	0	1
	231b. Epileptics who are Feebleminded	25	24	49	9	9	18	6	5	11	1	2	3	4	2	6	1	1	2	1	1	2	0	0	0
	232. Alcoholism	61	9	70	27	2	29	18	2	20	9	3	12	4	1	5	0	0	0	0	0	0	0	0	0
	233. Drug Addiction	18	5	23	9	3	12	3	0	3	1	1	2	1	0	1	0	0	0	1	0	1	2	0	2
	234. Mental Deficiency	215	189	404	85	64	149	23	19	42	18	15	33	25	27	52	12	10	22	3	0	3	3	2	5
	235. Disorders of Personality	3	3	6	1	1	2	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	236. Psychopathic Personality	29	4	33	14	2	16	4	1	5	3	0	3	4	0	4	0	0	0	0	0	0	0	0	0
	24. Primary Behaviour Disorders	45	20	65	14	11	25	6	2	8	6	2	8	4	1	5	3	1	4	0	0	0	0	0	0
	TOTAL 1–22	972	944	1,916	369	410	779	145	149	294	109	117	226	104	71	175	39	41	80	9	13	22	12	10	22
	TOTAL 23–24	427	269	696	171	97	268	64	32	96	41	25	66	49	36	85	18	12	30	5	1	6	6	2	8
	GRAND TOTAL	1,399	1,213	2,612	540	507	1,047	209	181	390	150	142	292	153	107	260	57	53	110	14	14	28	18	12	30

TABLE No. 22—(Concluded)

FIRST ADMISSIONS BY RACIAL ORIGIN AND DIAGNOSIS

	DIAGNOSIS	Slavonic			Scandinavian			Other European			Chinese and Japanese			Other Asiatic			American Indian			Others			Unspecified		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	5	0	5	5	0	5	7	3	10	2	0	2	0	0	0	2	0	2	1	0	1	2	2	4
	02. With Other Forms of Syphilis	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03. With Epidemic Encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04. With Other Infectious Diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05. Alcoholic Psychoses	4	0	4	6	0	6	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1
	06a. Due to Opium and Other Drugs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
	06b. Due to Other Exogenous Toxins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	07. Traumatic Psychoses	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	08. With Cerebral Arteriosclerosis	1	0	1	1	1	2	3	5	8	0	0	0	0	0	0	0	0	0	1	0	1	1	2	3
	09. With Other Disturbances of Circulation	0	1	1	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10. With Convulsive Disorders (Epilepsy)	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
	11. Senile Psychoses	1	2	3	1	0	1	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
	12. Involutional Psychoses	2	2	4	0	0	0	1	1	2	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1
	13. Due to Other Metabolic, etc., Diseases	1	2	3	0	0	0	1	1	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	14. Due to New Growth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15. With Organic Changes of Nervous System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	16. Psychoneuroses	2	1	3	1	1	2	3	2	5	1	0	1	0	0	0	0	0	0	0	0	0	1	2	3
	17. Manic-Depressive Psychoses	3	11	14	2	2	4	13	10	23	1	0	1	0	0	0	1	2	3	0	0	0	3	2	5
	18. Dementia Praecox (Schizophrenia)	33	20	53	19	12	31	23	9	32	0	0	0	0	0	0	1	0	1	2	5	7	6	7	13
	19. Paranoia and Paranoid Conditions	2	0	2	0	1	1	3	1	4	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	20. With Psychopathic Personality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	21. With Mental Deficiency	2	0	2	1	0	1	0	1	1	0	0	0	0	0	0	0	1	1	0	1	1	1	2	3
	22. Undiagnosed Psychoses	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0
WITHOUT PSYCHOSIS	231a. Epileptics not Psychotic or Feebleminded	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	231b. Epileptics who are Feebleminded	0	0	0	1	0	1	1	2	3	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0
	232. Alcoholism	1	1	2	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	233. Drug Addiction	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	234. Mental Deficiency	4	6	10	3	1	4	14	6	20	0	0	0	0	0	0	2	5	7	1	0	1	22	34	56
	235. Disorders of Personality	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	236. Psychopathic Personality	1	0	1	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	24. Primary Behaviour Disorders	6	1	7	2	0	2	4	1	5	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	TOTAL 1–22	57	39	96	36	18	54	60	38	98	4	0	4	1	0	1	5	5	10	7	9	16	15	24	39
	TOTAL 23–24	12	9	21	7	2	9	25	10	35	0	0	0	0	0	0	4	8	12	1	0	1	24	35	59
	GRAND TOTAL	69	48	117	43	20	63	85	48	133	4	0	4	1	0	1	9	13	22	8	9	17	39	59	98

TABLE

FIRST ADMISSIONS BY EDUCATIONAL

	DIAGNOSIS	Illiterate			Reads Only		
		M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	1	1	2	–	–	–
	02. With Other Forms of Syphilis	–	–	–	–	–	–
	03. With Epidemic Encephalitis	–	–	–	–	–	–
	04. With Other Infectious Diseases	–	–	–	–	–	–
	05. Alcoholic Psychoses	–	–	–	–	–	–
	06.a Due to Opium and Other Drugs	–	–	–	–	–	–
	06b. Due to Other Exogenous Toxins	–	–	–	–	–	–
	07. Traumatic Psychoses	1	0	1	–	–	–
	08. With Cerebral Arteriosclerosis	3	1	4	–	–	–
	09. With Other Disturbances of Circulation	–	–	–	–	–	–
	10. With Convulsive Disorders (Epilepsy)	4	2	6	–	–	–
	11. Senile Psychoses	8	2	10	1	1	2
	12. Involutional Psychoses	2	4	6	–	–	–
	13. Due to Other Metabolic, etc. Diseases	–	–	–	–	–	–
	14. Due to New Growth	–	–	–	–	–	–
	15. With Organic Changes of Nervous System	–	–	–	–	–	–
	16. Psychoneuroses	2	1	3	1	1	2
	17. Manic-Depressive Psychoses	1	6	7	–	–	–
	18. Dementia Praecox (Schizophrenia)	10	3	13	–	–	–
	19. Paranoia and Paranoid Conditions	2	0	2	1	1	2
	20. With Psychopathic Personality	–	–	–	2	0	2
	21. With Mental Deficiency	4	3	7	1	0	1
	22. Undiagnosed Psychoses	1	0	1	–	–	–
Without Psychosis	231a. Epileptics not Psychotic or Feebleminded	2	1	3	–	–	–
	231b. Epileptics who are Feebleminded	10	11	21	–	–	–
	232. Alcoholism	–	–	–	–	–	–
	233. Drug Addiction	97	49	146	–	–	–
	234. Mental Deficiency	35	25	60	1	5	6
	235. Disorders of Personality	1	1	2	–	–	–
	236. Psychopathic Personality	–	–	–	–	–	–
	24. Primary Behaviour Disorders	1	0	1	–	–	–
	Total 1-22	39	23	62	6	3	9
	Total 23-24	146	87	233	1	5	6
	GRAND TOTAL	185	110	295	7	8	15

No. 23

STATUS AND DIAGNOSIS

Reads & Writes			Common School			High School			University			Unascertained			TOTAL		
M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
11	2	13	50	18	68	22	2	24	3	0	3	10	2	12	97	25	122
–	–	–	2	2	4	–	–	–	–	–	–	2	0	2	4	2	6
1	0	1	0	1	1	1	1	2	–	–	–	–	–	–	2	2	4
–	–	–	4	2	6	0	1	1	–	–	–	–	–	–	4	3	7
6	0	6	9	2	11	13	0	13	3	0	3	9	0	9	40	2	42
0	1	1	3	2	5	2	2	4	1	0	1	–	–	–	6	5	11
–	–	–	1	0	1	–	–	–	1	1	2	–	–	–	2	1	3
1	0	1	3	0	3	1	0	1	–	–	–	0	1	1	6	1	7
12	8	20	53	52	105	12	7	19	4	3	7	7	16	23	91	87	178
0	1	1	2	8	10	2	1	3	–	–	–	–	–	–	4	10	14
2	2	4	13	11	24	5	3	8	4	0	4	0	2	2	28	20	48
10	15	25	37	45	82	6	12	18	3	1	4	9	15	24	74	91	165
4	5	9	18	35	53	4	17	21	1	2	3	1	2	3	30	65	95
2	6	8	7	22	29	1	6	7	2	0	2	3	3	6	15	37	52
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1	1	2	4	5	9	1	1	2	–	–	–	1	1	2	7	8	15
5	12	17	27	35	62	7	17	24	1	0	1	2	1	3	45	67	112
17	12	29	70	96	166	34	54	88	8	6	14	4	6	10	135	181	316
30	17	47	168	149	317	69	78	147	12	10	22	25	13	38	316	270	586
4	1	5	15	17	32	3	5	8	2	0	2	0	2	2	26	25	51
1	1	2	1	0	1	2	0	2	–	–	–	1	0	1	5	1	6
7	11	18	10	10	20	0	2	2	–	–	–	1	3	4	23	29	52
3	2	5	5	6	11	3	4	7	–	–	–	–	–	–	12	12	24
8	2	10	14	8	22	7	4	11	–	–	–	–	–	–	31	15	46
6	2	8	9	11	20	–	–	–	–	–	–	–	–	–	25	24	49
1	1	2	29	4	33	26	4	30	5	0	5	–	–	–	61	9	70
1	0	1	8	3	11	5	1	6	2	0	2	1	1	2	18	5	23
44	45	89	38	63	101	–	–	–	–	–	–	1	2	3	215	189	404
–	–	–	2	1	3	0	1	1	–	–	–	–	–	–	3	3	6
5	1	6	14	1	15	8	0	8	–	–	–	2	2	4	29	4	33
9	4	13	22	11	33	9	5	14	3	0	3	1	0	1	45	20	65
117	97	214	502	518	1020	188	213	401	45	23	68	75	67	142	972	944	1916
74	55	129	136	102	238	55	15	70	10	0	10	5	5	10	427	269	696
191	152	343	638	620	1258	243	228	471	55	23	78	80	72	152	1399	1213	2612

TABLE No. 24
FIRST ADMISSIONS BY ECONOMIC STATUS AND DIAGNOSIS

	DIAGNOSIS	Dependent			Marginal			Comfortable			Unascertained			TOTAL		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	37	11	48	50	5	55	8	8	16	2	1	3	97	25	122
	02. With Other Forms of Syphilis	0	1	1	4	1	5	–	–	–	–	–	–	4	2	6
	03. With Epidemic Encephalitis	2	1	3	0	1	1	–	–	–	–	–	–	2	2	4
	04. With Other Infectious Diseases	1	0	1	1	1	2	2	2	4	–	–	–	4	3	7
	05. Alcoholic Psychoses	12	1	13	18	0	18	10	1	11	–	–	–	40	2	42
	06.a Due to Opium and Other Drugs	2	5	7	3	0	3	1	0	1	–	–	–	6	5	11
	06b. Due to Other Exogenous Toxins	1	0	1	–	–	–	1	1	2	–	–	–	2	1	3
	07. Traumatic Psychoses	4	0	4	2	1	3	–	–	–	–	–	–	6	1	7
	08. With Cerebral Arteriosclerosis	30	24	54	36	37	73	23	23	46	2	3	5	91	87	178
	09. With Other Disturbances of Circulation	2	1	3	0	3	3	2	6	8	–	–	–	4	10	14
	10. With Convulsive Disorders (Epilepsy)	13	7	20	12	11	23	3	2	5	–	–	–	28	20	48
	11. Senile Psychoses	31	24	55	21	30	51	19	36	55	3	1	4	74	91	165
	12. Involutional Psychoses	10	7	17	10	25	35	10	33	43	–	–	–	30	65	95
	13. Due to Other Metabolic, etc. Diseases	5	10	15	6	12	18	4	14	18	0	1	1	15	37	42
	14. Due to New Growth	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	15. With Organic Changes of Nervous System	5	3	8	1	3	4	1	2	3	–	–	–	7	8	15
	16. Psychoneuroses	15	19	34	17	29	46	12	17	29	1	2	3	45	67	112
	17. Manic-Depressive Psychoses	44	49	93	61	66	127	30	64	94	0	2	2	135	181	316
	18. Dementia Praecox (Schizophrenia)	128	83	211	144	112	256	39	68	107	5	7	12	316	270	586
	19. Paranoia and Paranoid Conditions	10	6	16	12	11	23	4	8	12	–	–	–	26	25	51
	20. With Psychopathic Personality	2	1	3	3	0	3	–	–	–	–	–	–	5	1	6
	21. With Mental Deficiency	8	16	24	15	11	26	0	1	1	0	1	1	23	29	52
	22. Undiagnosed Psychoses	8	6	14	2	3	5	2	3	5	–	–	–	12	12	24
Without Psychosis	231a. Epileptics not Psychotic or Feebleminded	18	8	26	11	5	16	2	2	4	–	–	–	31	15	46
	231b. Epileptics who are Feebleminded	15	8	23	9	14	23	1	2	3	–	–	–	25	24	49
	232. Alcoholism	18	4	22	22	1	23	19	4	23	2	0	2	61	9	70
	233. Drug Addiction	8	1	9	4	4	8	6	0	6	–	–	–	18	5	23
	234. Mental Deficiency	102	122	224	99	55	154	7	7	14	7	5	12	215	189	404
	235. Disorders of Personality	3	1	4	0	1	1	0	1	1	–	–	–	3	3	6
	236. Psychopathic Personality	14	3	17	13	1	14	–	–	–	2	0	2	29	4	33
	24. Primary Behaviour Disorders	16	8	24	24	8	32	4	4	8	1	0	1	45	20	65
	Total 1-22	370	275	645	418	362	780	171	289	460	13	18	31	972	944	1916
	Total 23-24	194	155	349	182	89	271	39	20	59	12	5	17	427	269	696
	GRAND TOTAL	564	430	994	600	451	1051	210	309	519	25	23	48	1399	1213	2612

TABLE No. 25

ALCOHOLIC HABITS OF FIRST ADMISSIONS BY DIAGNOSIS

	DIAGNOSIS	Abstinent			Temperate			Intemperate			Unascertained			TOTAL		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	27	10	37	42	9	51	16	4	20	12	2	14	97	25	122
	02. With Other Forms of Syphilis	0	1	1	3	1	4	–	–	–	1	0	1	4	2	6
	03. With Epidemic Encephalitis	1	2	3	1	0	1	–	–	–	–	–	–	2	2	4
	04. With Other Infectious Diseases	2	3	5	2	0	2	–	–	–	–	–	–	4	3	7
	05. Alcoholic Psychoses	–	–	–	–	–	–	35	1	36	5	1	6	40	2	42
	06.a Due to Opium and Other Drugs	1	1	2	4	3	7	1	0	1	0	1	1	6	5	11
	06b. Due to Other Exogenous Toxins	1	1	2	–	–	–	1	0	1	–	–	–	2	1	3
	07. Traumatic Psychoses	5	0	5	1	0	1	–	–	–	0	1	1	6	1	7
	08. With Cerebral Arteriosclerosis	45	72	117	34	12	46	9	0	9	3	3	6	91	87	178
	09. With Other Disturbances of Circulation	4	9	13	0	1	1	–	–	–	–	–	–	4	10	14
	10. With Convulsive Disorders (Epilepsy)	21	14	35	5	6	11	2	0	2	–	–	–	28	20	48
	11. Senile Psychoses	33	71	104	23	12	35	13	1	14	5	7	12	74	91	165
	12. Involutional Psychoses	16	46	72	13	3	16	1	2	3	0	4	4	30	65	95
	13. Due to Other Metabolic, etc. Diseases	7	27	34	4	7	11	1	—	1	3	3	6	15	37	52
	14. Due to New Growth	–	–	–	–	–	–	–	–	–	–	–	–	0	0	0
	15. With Organic Changes of Nervous System	6	6	12	1	1	2	0	1	1	–	–	–	7	8	15
	16. Psychoneuroses	15	55	70	21	9	30	9	3	12	–	–	–	45	67	112
	17. Manic-Depressive Psychoses	57	139	196	59	27	86	16	5	21	3	10	13	135	181	316
	18. Dementia Praecox (Schizophrenia)	150	228	378	120	26	146	32	3	35	14	13	27	316	270	586
	19. Paranoia and Paranoid Conditions	5	19	24	15	4	19	3	0	3	3	2	5	26	25	51
	20. With Psychopathic Personality	2	1	3	2	0	2	1	0	1	–	–	–	5	1	6
	21. With Mental Deficiency	11	20	31	9	3	12	3	1	4	0	5	5	23	29	52
	22. Undiagnosed Psychoses	4	9	13	7	2	9	–	–	–	1	1	2	12	12	24
Without Psychosis	231a. Epileptics not Psychotic or Feebleminded	18	14	32	9	1	10	4	0	4	–	–	–	31	15	46
	231b. Epileptics who are Feebleminded	24	23	47	0	1	1	1	0	1	–	–	–	25	24	49
	232. Alcoholism	–	–	–	–	–	–	61	9	70	–	–	–	61	9	70
	233. Drug Addiction	2	3	5	10	0	10	6	1	7	0	1	1	18	5	23
	234. Mental Deficiency	179	174	353	24	5	29	7	3	10	5	7	12	215	189	404
	235. Disorders of Personality	1	3	4	2	0	2	–	–	–	–	–	–	3	3	6
	236. Psychopathic Personality	8	3	11	14	0	14	7	1	8	–	–	–	29	4	33
	24. Primary Behaviour Disorders	14	11	25	26	6	32	4	2	6	1	1	2	45	20	65
	Total 1-22	413	744	1157	366	126	492	143	21	164	50	53	103	972	944	1916
	Total 23-24	246	231	477	85	13	98	90	16	106	6	9	15	427	269	696
	GRAND TOTAL	659	975	1634	451	139	590	233	37	270	56	62	118	1399	1213	2612

TABLE No. 26

PREVIOUS OCCUPATION OF FIRST ADMISSIONS

PREVIOUS (USUAL) OCCUPATION	Male	Female	TOTAL
Agriculture	276	2	278
Commercial	97	2	99
Financial	8	0	8
Fishing and trapping	8	0	8
Logging	24	0	24
Manufacturing	68	21	89
Mining	17	0	17
Transportation and Communication	38	5	43
Civil Service & Public Administration	19	2	21
Personal Service (including housewives)	51	529	580
Professional	47	42	89
Domestic Service	22	254	276
Expert Workers	90	3	93
Labourers	254	0	254
Clerical	42	42	84
Retired	32	2	34
No occupation	292	297	589
Not given	14	12	26
TOTAL — ALL OCCUPATIONS	1399	1213	2612

TABLE No. 27

RE-ADMISSIONS BY LENGTH OF STAY OUT OF HOSPITAL AND DIAGNOSIS

	DIAGNOSIS	LENGTH OF STAY OUT OF HOSPITAL BEFORE RE-ADMISSION																											TOTAL		
		Less than One Month			1–3 Months			4–7 Months			8-11 Months			1–2 Years			3–4 Years			5–9 Years			10 Years and Over			Unascertained					
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Enchephalitis	0	0	0	1	1	2	0	0	0	2	0	2	1	2	3	2	0	2	2	0	2	0	0	0	0	0	0	8	3	11
	02. With Other Forms of Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03. With Epidemic Encephalitis	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	04. With Other Infectious Diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05. Alcoholic Psychoses	1	0	1	1	0	1	1	0	1	0	0	0	3	1	4	0	0	0	2	0	2	0	0	0	0	0	0	8	1	9
	06a. Due to Opium and Other Drugs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	06b. Due to Other Exogenous Toxins	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	2
	07. Traumatic Psychoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	08. With Cerebral Arteriosclerosis	0	0	0	0	1	1	0	1	1	2	2	4	8	3	11	0	1	1	0	3	3	0	1	1	0	2	2	10	14	24
	09. With Other Disturbances of Circulation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10. With Convulsive Disorders (Epilepsy)	0	0	0	0	0	0	0	2	2	1	1	2	2	3	5	0	0	0	2	1	3	0	0	0	0	0	0	5	7	12
	11. Senile Psychoses	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	1	1	2	3	2	5	1	2	3	0	1	1	7	7	14
	12. Involutional Psychoses	1	1	2	0	0	0	0	0	0	0	1	1	0	1	1	1	2	3	0	0	0	0	2	2	0	0	0	2	7	9
	13. Due to Other Metabolic, etc., Diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	1	1	0	1	2	2	4
	14. Due to New Growth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15. With Organic Changes of Nervous Systen	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
	16. Psychoneuroses	2	0	2	3	2	5	0	2	2	0	0	0	2	3	5	0	0	0	0	1	1	2	1	3	0	0	0	9	9	18
	17. Manic-Depressive Psychoses	4	4	8	2	3	5	7	11	18	4	17	21	28	38	66	14	15	29	19	18	37	15	10	25	0	0	0	93	116	209
	18. Dementia Praecox (Schizophrenia)	11	1	12	9	2	11	8	2	10	13	10	23	28	20	48	21	19	40	15	13	28	10	9	19	0	1	1	115	77	192
	19. Paranoia and Paranoid Conditions	3	1	4	0	0	0	1	0	1	0	1	1	5	2	7	2	0	2	0	0	0	0	1	1	0	0	0	11	5	16
	20. With Psychopathic Personality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
	21. With Mental Deficiency	0	0	0	1	0	1	0	1	1	0	1	1	1	3	4	5	5	10	3	3	6	0	5	5	0	0	0	10	18	28
	22. Undiagnosed Psychoses	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2
WITHOUT PSYCHOSIS	231a. Epileptics not Psychotic or Feebleminded	0	0	0	0	1	1	0	0	0	1	2	3	3	3	6	1	0	1	0	1	1	0	0	0	0	0	0	5	7	12
	231b. Epileptics who are Feebleminded	0	0	0	0	0	0	1	0	1	0	0	0	1	2	3	1	0	1	1	0	1	0	0	0	0	0	0	4	2	6
	232. Alcoholism	8	0	8	4	0	4	7	0	7	4	0	4	11	1	12	3	1	4	3	0	3	1	0	1	1	0	1	42	2	44
	233. Drug Addiction	1	0	1	0	0	0	1	0	1	2	0	2	4	0	4	1	0	1	1	1	2	0	0	0	0	0	0	10	1	11
	234. Mental Deficiency	2	0	2	4	1	5	3	0	3	2	0	2	6	4	10	1	2	3	3	1	4	0	0	0	0	0	0	21	11	32
	235. Disorders of Personality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	1	1	0	0	0
	236. Psychopathic Personality	3	0	3	1	0	1	0	0	0	2	0	2	2	0	2	3	0	3	1	0	1	0	0	0	0	0	0	12	0	12
	24. Primary Behaviour Disorders	1	0	1	0	0	0	1	0	1	0	0	0	2	1	3	0	0	0	0	0	0	0	1	1	0	0	0	4	2	6
	TOTAL 1–22	23	7	30	17	9	26	19	19	38	22	35	57	80	78	158	48	43	91	46	42	88	30	31	61	1	4	5	286	268	554
	TOTAL 23 24	15	0	15	9	2	11	13	0	13	11	2	13	29	11	40	10	3	13	9	3	12	1	3	4	1	1	2	98	25	123
	GRAND TOTAL	38	7	45	26	11	37	32	19	51	33	37	70	109	89	198	58	46	104	55	45	100	31	34	65	2	5	7	384	293	677

TABLE No. 28

RE-ADMISSIONS BY CONDITION ON PREVIOUS DISCHARGE, LENGTH OF STAY-OUT OF HOSPITAL AND DIAGNOSIS

	DIAGNOSIS	GRAND TOTAL			RECOVERED									
		M.	F.	T.	Less than 1 Month	1-3 Months	4-7 Months	8-11 Months	1-2 Years	3-4 Years	5-9 Years	10 Years and Over	Unascer-tained	TOTAL
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	8	3	11	.....	.....	.....	1	.....	.....	.....	.....	.....	1
	02. With Other Forms of Syphilis				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	03. With Epidemic Encephalitis	1	0	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	04. With Other Infectious Diseases				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	05. Alcoholic Psychoses	8	1	9	1	.....	1	.....	3	1	1	.....	.....	7
	06a. Due to Opium and Other Drugs				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	06b. Due to Other Exogenous Toxins	1	1	2	.....	.....	.....	.....	1	1	.....	.....	.....	2
	07. Traumatic Psychoses				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	08. With Cerebral Arteri clerosis	10	14	24	.....	.....	.....	.....	3	1	.....	1	.....	5
	09. With Other Disturbances of Circulation				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	10. With Convulsive Disorders (Epilepsy)	5	7	12	.....	.....	.....	1	1	.....	1	.....	.....	3
	11. Senile Psychoses	7	7	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	12. Involutional Psychoses	2	7	9	.....	.....	.....	.....	1	1	.....	1	.....	3
	13. Due to Other Metabolic, etc., Diseases	2	2	4	.....	.....	.....	.....	1	.....	.....	1	1	3
	14. Due to New Growth				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	15. With Organic Changes of Nervous System	1	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	16. Psychoneuroses	9	9	18	.....	.....	.....	.....	2	1	1	1	.....	5
	17. Manic-Depressive Psychoses	93	116	209	1	3	9	16	40	19	26	17	.....	131
	18. Dementia Praecox (Schizophrenia)	115	77	192	4	1	1	6	7	6	9	3	.....	37
	19. Paranoia and Paranoid Conditions	11	5	16	.....	.....	.....	.....	.....	1	.....	.....	.....	1
	20. With Psychopathic Personality	1	0	1	.....	.....	.....	.....	.....	.....	.....	1	.....	1
	21. With Mental Deficiency	10	18	28	.....	1	.....	.....	1	5	1	1	.....	9
	22. Undiagnosed Psychoses	2	0	2	.....	.....	.....	.....	.....	1	.....	.....	.....	1
	TOTAL WITH PSYCHOSIS (1–22)	286	268	554	6	5	11	24	60	37	39	26	1	209
	TOTAL WITHOUT PSYCHOSIS (23–24)	98	25	123	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	GRAND TOTAL	384	293	677	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

TABLE No. 28—(Concluded)

RE-ADMISSIONS BY CONDITION ON PREVIOUS DISCHARGE, LENGTH OF STAY-OUT OF HOSPITAL AND DIAGNOSIS

	DIAGNOSIS	IMPROVED										UNIMPROVED										WITHOUT PSYCHOSIS		
		Less than 1 Month	1-3 Months	4-7 Months	8-11 Months	1-2 Years	3-4 Years	5-9 Years	10 Years and Over	Unascer-tained	TOTAL	Less than 1 Month	1-3 Months	4-7 Months	8-11 Months	1-2 Years	3-4 Years	5-9 Years	10 Years and Over	Unascert-tained	TOTAL	Under 1 Year	1 Year and Over	TOTAL
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	....	2	....	1	2	2	2	....	....	9	....	....	....	....	1	....	....	....	....	1	....	....	....
	02. With Other Forms of Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	03. With Epidemic Encephalitis	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
	04. With Other Infectious Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	05. Alcoholic Psychoses	....	1	....	....	....	....	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
	06a. Due to Opium and Other Drugs	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	06b. Due to Other Exogenous Toxins	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	07. Traumatic Psychoses	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	08. With Cerebral Arteriosclerosis	....	1	1	3	6	1	3	....	2	17	....	....	1	....	1	....	....	....	....	2	....	....	....
	09. With Other Disturbances of Circulation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	10. With Convulsive Disorders (Epilepsy)	....	....	....	1	3	1	2	....	....	7	....	....	1	....	1	....	....	....	....	2	....	....	....
	11. Senile Psychoses	....	....	1	1	1	2	5	3	1	14	....	....	....	....	....	....	....	....	....	....	....	....	....
	12. Involutional Psychoses	1	....	....	1	....	2	....	1	....	5	1	....	....	....	....	....	....	....	....	1	....	....	....
	13. Due to Other Metabolic, etc., Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....
	14. Due to New Growth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	15. With Organic Changes of Nervous System	....	....	....	1	1	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
	16. Psychoneuroses	3	2	1	....	1	....	....	2	....	9	....	2	....	....	....	....	....	....	....	2	2	0	2
	17. Manic-Depressive Psychoses	2	5	8	6	23	13	11	7	....	75	2	....	....	....	....	1	....	....	....	3	....	....	....
	18. Dementia Praecox (Schizophrenia)	6	8	7	13	37	33	19	16	....	139	2	2	1	4	3	1	....	1	1	15	0	1	1
	19. Paranoia and Paranoid Conditions	4	....	1	....	5	1	....	1	....	11	....	....	....	....	2	....	....	....	....	2	1	1	2
	20. With Psychopathic Personality	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	21. With Mental Deficiency	....	....	....	....	3	7	5	2	....	17	....	....	....	....	....	....	....	2	....	2	....	....	....
	22. Undiagnosed Psychoses	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
	TOTAL WITH PSYCHOSIS (1–22)	17	19	19	27	81	62	48	32	3	308	5	4	4	4	8	2	1	3	1	32	3	2	5
	TOTAL WITHOUT PSYCHOSIS (23–24)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	37	48	85
	GRAND TOTAL	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	40	50	90

TABLE No. 29

DISPOSAL OF FIRST AND RE-ADMISSIONS DURING THE YEAR FOR CERTAIN PSYCHOSES — DISPOSAL AS AT MARCH 31st.

DIAGNOSIS	Discharged			Died			Trans-ferred			Eloped and not returned			On Probation			In Boarding Homes			Remaining in Hospital			TOTAL ADMISSIONS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Senile Psychoses	7	4	11	29	31	60	–	–	–	–	–	–	3	6	9	2	1	3	38	56	94	79	98	177
Psychoses with Corebral Arteriosclerosis	14	15	29	38	24	62	–	–	–	–	–	–	8	14	22	–	–	–	41	48	89	101	101	202
General Paresis	9	4	13	16	3	19	1	1	2	–	–	–	10	3	13	–	–	–	71	17	88	107	28	135
Alcoholic Psychoses	31	1	32	1	1	2	1	0	1	1	0	1	–	–	–	–	–	–	12	1	13	46	3	49
Manic Depressive Psychoses.	56	62	118	15	12	27	3	2	5	–	–	–	57	83	140	1	4	5	95	134	229	227	297	524
Dementia Praecox (Schizophrenia)	43	38	81	7	3	10	16	5	21	3	0	3	53	74	127	6	6	12	305	221	526	433	347	780
All Other Psychoses	84	103	187	17	24	41	5	3	8	–	–	–	36	57	93	2	5	7	124	149	273	268	341	609
Alcoholism without Psychosis	85	6	91	–	–	–	–	–	–	–	–	–	2	3	5				17	1	18	104	10	114
Others without Psychosis...	153	46	199	14	7	21	6	4	10	1	1	2	36	16	52	5	2	7	203	205	408	418	281	699
TOTAL	482	279	761	137	105	242	32	15	47	5	1	6	205	256	461	16	18	34	906	832	1738	1783	1506	3289

TABLE No. 30

‡ DISCHARGES BY AGE AND DIAGNOSIS

	DIAGNOSIS	TOTAL			AGE GROUP Under 10			10–14			15–19			20–24			25–29			30–34			35–39		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	51	11	62										1	0	1	1	0	1	9	0	9	4	3	7
	02. With Other Forms of Syphilis	2	2	4																0	1	1	1	0	1
	03. With Epidemic Encephalitis	1	0	1																					
	04. With Other Infectious Diseases	2	3	5							0	1	1				0	1	1				1	0	1
	05. Alcoholic Psychoses	45	6	51										2	0	2	1	1	2	4	1	5	5	0	5
	06a. Due to Opium and Other Drugs	3	4	7										1	0	1				0	1	1	0	1	1
	06b. Due to Other Exogenous Toxins	2	1	3																0	1	1			
	07. Traumatic Psychoses	6	0	6										3	0	3	1	0	1				1	0	1
	08. With Cerebral Arteriosclerosis	35	33	68																			0	1	1
	09. With Other Disturbances of Circulation	1	3	4										1	0	1	0	1	1						
	10. With Convulsive Disorders (Epilepsy)	20	16	36							0	2	2	4	0	4	4	3	7	5	3	8	2	0	2
	11. Senile Psychoses	20	11	31																					
	12. Involutional Psychoses	15	44	59																					
	13. Due to Other Metabolic, etc., Diseases	11	28	39							0	1	1	0	4	4	4	0	4	0	4	4	3	6	9
	14. Due to New Growth	0	1	1										0	1	1									
	15. With Organic Changes of Nervous System	3	3	6																1	0	1	1	1	2
	16. Psychoneuroses	55	54	109							2	1	3	5	4	9	5	11	16	8	10	18	11	4	15
	17. Manic-Depressive Psychoses	198	225	423							3	5	8	13	17	30	21	25	46	12	28	40	26	24	50
	18. Dementia Praecox (Schizophrenia)	250	233	483							20	10	30	46	27	73	50	35	85	37	38	75	37	30	67
	19. Paranoia and Paranoid Conditions	26	23	49																2	1	3	0	2	2
	20. With Psychopathic Personality	4	0	4										2	0	2							1	0	1
	21. With Mental Deficiency	22	22	44							3	3	6	2	0	2	0	5	5	1	2	3	6	5	11
	22. Undiagnosed Psychoses	8	10	18										0	1	1	0	1	1	0	1	1	0	2	2
Without Psychosis	231a. Epileptics not Psychotic or Feebleminded	24	19	43							4	2	6	6	6	12	4	3	7	2	4	6	2	1	3
	231b. Epileptics who are Feebleminded	16	7	23	1	0	1	5	0	5	2	3	5	6	2	8	0	1	1				0	1	1
	232. Alcoholism	104	9	113										2	0	2	4	1	5	9	1	10	21	1	22
	233. Drug Addiction	26	4	30													1	0	1	6	1	7	4	0	4
	234. Mental Deficiency	114	111	225	4	3	7	5	2	7	32	28	60	33	35	68	10	18	28	13	10	23	5	4	9
	235. Disorders of Personality	8	4	12										2	2	4	1	1	2				4	1	5
	236. Psychopathic Personality	43	7	50							9	1	10	4	0	4	3	0	3	5	1	6	6	1	7
	24. Primary Behaviour Disorders	54	15	69							7	2	9	6	2	8	8	4	12	1	3	4	5	1	6
	TOTAL 1–22	780	733	1,513	0	0	0	0	0	0	28	23	51	80	54	134	83	87	170	79	91	170	100	79	179
	TOTAL 23–24	389	176	565	5	3	8	10	2	12	54	36	90	59	47	106	31	28	59	36	20	56	47	10	57
	GRAND TOTAL	1,169	909	2,078	5	3	8	10	2	12	82	59	141	139	101	240	114	115	229	115	111	226	147	89	236

---

‡ All discharge tables include patients deported, deaths while on probation (on visit) or elopement (on escape), and patients discharged while on elopement (on escape).

TABLE No. 30—(Concluded)
‡ DISCHARGES BY AGE AND DIAGNOSIS

	DIAGNOSIS	AGE GROUP																							
		40-44			45-49			50-54			55-59			60-64			65-69			70 and over			Unascertained		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	15	2	17	8	5	13	7	1	8	4	0	4	1	0	1							1	0	1
	02. With Other Forms of Syphilis	1	0	1																0	1	1			
	03. With Epidemic Encephalitis				1	0	1																		
	04. With Other Infectious Diseases				1	1	2																		
	05. Alcoholic Psychoses	6	2	8	4	0	4	13	1	14	5	0	5	2	0	2	1	1	2	2	0	2			
	06a. Due to Opium and Other Drugs							0	2	2	1	0	1							1	0	1			
	06b. Due to Other Exogenous Toxins	1	0	1	1	0	1																		
	07. Traumatic Psychoses																1	0	1						
	08. With Cerebral Arteriosclerosis	2	0	2				5	2	7	4	1	5	9	9	18	5	9	14	10	11	21			
	09. With Other Disturbances of Circulation	0	1	1	0	1	1																		
	10. With Convulsive Disorders (Epilepsy)	0	1	1	2	2	4	1	4	5	1	0	1	1	0	1	0	1	1						
	11. Senile Psychoses							1	0	1				3	2	5	1	3	4	15	6	21			
	12. Involutional Psychoses	0	7	7	2	9	11	6	12	18	3	9	12	2	4	6	1	3	4	1	0	1			
	13. Due to Other Metabolic, etc., Diseases	0	3	3	0	2	2	3	1	4	0	3	3	1	0	1				4	0	4			
	14. Due to New Growth																								
	15. With Organic Changes of Nervous System							0	1	1				1	0	1	0	1	1						
	16. Psychoneuroses	9	9	18	5	6	11	2	2	4	2	4	6	3	2	5	2	1	3	1	0	1			
	17. Manic-Depressive Psychoses	21	22	43	19	20	39	19	34	53	28	23	51	13	17	30	15	5	20	8	5	13			
	18. Dementia Praecox (Schizophrenia)	22	30	52	12	21	33	10	16	26	6	10	16	5	5	10	1	3	4	4	7	11	0	1	1
	19. Paranoia and Paranoid Conditions	3	2	5	7	5	12	5	3	8	2	2	4	5	5	10	0	3	3	2	0	2			
	20. With Psychopathic Personality	1	0	1																					
	21. With Mental Deficiency	1	2	3	2	3	5	4	0	4	1	1	2	1	0	1				0	1	1			
	22. Undiagnosed Psychoses	2	1	3	4	1	5	0	3	3	1	0	1							1	0	1			
Without Psychosis	231a. Epileptics Not Psychotic or Feebleminded	2	2	4				2	0	2	2	0	2	0	1	1									
	231b. Epileptics Who are Feebleminded	2	0	2																					
	232. Alcoholism	27	0	27	18	4	22	14	2	16	4	0	4	3	0	3	2	0	2						
	233. Drug Addiction	8	0	8	2	3	5	2	0	2	1	0	1	1	0	1	1	0	1						
	234. Mental Deficiency	1	4	5	6	3	9	1	2	3	2	0	2	1	2	3				1	0	1			
	235. Disorders of Personality													1	0	1									
	236. Psychopathic Personality	6	0	6	5	2	7	1	0	1	2	0	2				2	0	2						
	24. Primary Behaviour Disorders	1	1	2	7	1	8	5	1	6	5	1	6	1	0	1	2	1	3	6	0	6			
	Total 1–22	84	82	166	68	76	144	76	82	158	58	53	111	47	44	91	27	30	57	49	31	80	1	1	2
	Total 23–24	47	7	54	38	13	51	25	5	30	16	1	17	7	3	10	7	1	8	7	0	7	0	0	0
	Grand Total	131	89	220	106	89	195	101	87	188	74	54	128	54	47	101	34	31	65	56	31	87	1	1	2

‡ All discharge tables include patients deported, deaths while on probation (on visit) or elopement (on escape), and patients discharged while on elopement (on escape).

TABLE No. 31

DISCHARGES BY CONDITION ON DISCHARGE AND DIAGNOSIS

	DIAGNOSIS	FIRST ADMISSIONS											
		RECOVERED			IMPROVED			UNIMPROVED			TOTAL		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	5	3	8	40	8	48	1	0	1	46	11	57
	02. With Other Forms of Syphilis	1	1	2	1	1	2	...	...	...	2	2	4
	03. With Epidemic Encephalitis	...	...	...	...	...	...	1	0	1	1	0	1
	04. With Other Infectious Diseases	2	1	3	0	2	2	...	...	...	2	3	5
	05. Alcoholic Psychoses	23	3	26	14	3	17	1	0	1	38	6	44
	06a. Due to Opium and Other Drugs	0	2	2	1	1	2	1	0	1	2	3	5
	06b. Due to Other Exogenous Toxins	0	1	1	1	0	1	...	...	...	1	1	2
	07. Traumatic Psychoses	...	...	...	5	0	5	1	0	1	6	0	6
	08. With Cerebral Arteriosclerosis	6	8	14	23	20	43	6	1	7	35	29	64
	09. With Other Disturbances of Circulation	1	1	2	0	1	1	...	...	...	1	2	3
	10. With Convulsive Disorders (Epilepsy)	8	4	12	6	6	12	1	1	2	15	11	26
	11. Senile Psychoses	0	1	1	15	6	21	3	2	5	18	9	27
	12. Involutional Psychoses	3	10	13	10	29	39	0	3	3	13	42	55
	13. Due to Other Metabolic, etc., Diseases	5	10	15	5	15	20	1	1	2	11	26	37
	14. Due to New Growth	...	...	...	...	...	...	0	1	1	0	1	1
	15. With Organic Changes of Nervous System	...	...	...	2	1	3	0	2	2	2	3	5
	16. Psychoneuroses	20	14	34	23	24	47	4	5	9	47	43	90
	17. Manic-Depressive Psychoses	63	75	148	56	62	118	5	3	8	124	140	264
	18. Dementia Praecox (Schizophrenia)	35	34	69	133	134	267	14	15	29	182	183	365
	19. Paranoia and Paranoid Conditions	4	2	6	14	15	29	2	2	4	20	19	39
	20. With Psychopathic Personality	2	0	2	1	0	1	...	...	...	3	0	3
	21. With Mental Deficiency	6	2	8	12	13	25	3	0	3	21	15	36
	22. Undiagnosed Psychoses	2	3	5	3	7	10	2	0	2	7	10	17
	TOTAL WITH PSYCHOSIS (1–22)	186	172	358	364	349	713	47	38	85	597	559	1,156
	TOTAL WITHOUT PSYCHOSIS (23–24)	...	...	...	...	...	...	...	...	...	298	154	452
	GRAND TOTAL	...	...	...	...	...	...	...	...	...	895	713	1,608

TABLE No. 31—(Concluded)

DISCHARGES BY CONDITION ON DISCHARGE AND DIAGNOSIS

	DIAGNOSIS	RE-ADMISSIONS												TOTAL ADMISSIONS											
		Recovered			Improved			Unimproved			Total			Recovered			Improved			Unimproved			Total		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	2	0	2	3	0	3				5	0	5	7	3	10	43	8	51	1	0	1	51	11	62
	02. With Other Forms of Syphilis													1	1	2	1	1	2				2	2	4
	03. With Epidemic Encephalitis																			1	0	1	1	0	1
	04. With Other Infectious Diseases													2	1	3	0	2	2				2	3	5
	05. Alcoholic Psychoses	4	0	4	3	0	3				7	0	7	27	3	30	17	3	20	1	0	1	45	6	51
	06a. Due to Opium and Other Drugs	1	1	2							1	1	2	1	3	4	1	1	2	1	0	1	3	4	7
	06b. Due to Other Exogenous Toxins	1	0	1							1	0	1	1	1	2	1	0	1				2	1	3
	07. Traumatic Psychoses																5	0	5	1	0	1	6	0	6
	08. With Cerebral Arteriosclerosis				0	3	3	0	1	1	0	4	4	6	5	11	22	24	46	7	4	11	35	33	68
	09. With Other Disturbances of Circulation	0	1	1							0	1	1	1	2	3	0	1	1				1	3	4
	10. With Convulsive Disorders (Epilepsy)	2	1	3	2	3	5	1	1	2	5	5	10	10	5	15	8	9	17	2	2	4	20	16	36
	11. Senile Psychoses				2	2	4				2	2	4	0	1	1	17	8	25	3	2	5	20	11	31
	12. Involutional Psychoses				1	2	3	1	0	1	2	2	4	3	10	13	11	31	42	1	3	4	15	44	59
	13. Due to Other Metabolic, etc., Diseases				0	2	2				0	2	2	5	10	15	5	17	22	1	1	2	11	28	39
	14. Due to New Growth																			0	1	1	0	1	1
	15. With Organic Changes of Nervous System				1	0	1				1	0	1				3	1	4	0	2	2	3	3	6
	16. Psychoneuroses	3	3	6	4	8	12	1	0	1	8	11	19	23	17	40	27	32	59	5	5	10	55	54	109
	17. Manic-Depressive Psychoses	43	46	89	29	39	68	2	0	2	74	85	159	106	121	227	85	101	186	7	3	10	98	225	423
	18. Dementia Praecox (Schizophrenia)	7	11	18	57	34	91	4	5	9	68	50	118	42	45	87	190	168	358	18	20	38	250	233	483
	19. Paranoia and Paranoid Conditions	2	1	3	3	3	6	1	0	1	6	4	10	6	3	9	17	18	35	3	2	5	26	23	49
	20. With Psychopathic Personality				1	0	1				1	0	1	2	0	2	2	0	2				4	0	4
	21. With Mental Deficiency	0	3	3	1	3	4	0	1	1	1	7	8	6	5	11	13	16	29	3	1	4	22	22	44
	21. Undiagnosed Psychoses				1	0	1				1	0	1	2	3	5	4	7	11	2	0	2	8	10	18
	Total with Psychosis (1–22)	65	67	132	108	99	207	10	8	18	183	174	357	251	239	490	472	448	920	57	46	103	780	733	1,513
	Total without Psychosis (23–24)										91	22	113										389	176	565
	GRAND TOTAL										274	196	470										1,169	909	2,078

TABLE No. 32

DISCHARGES BY CONDITION ON DISCHARGE, LENGTH OF STAY IN HOSPITAL AND DIAGNOSIS

	DIAGNOSIS	GRAND TOTAL			RECOVERED																				
					0-5 Months			6-11 Months			1-2 Years			3-4 Years			5 Years and over			Unascertained			TOTAL RECOVERED		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	51	11	62	2	1	3	3	2	5	1	0	1	1	0	1							7	3	10
	02. With Other Forms of Syphilis	2	2	4	0	1	1				1	0	1										1	1	2
	03. With Epidemic Encephalitis	1	0	1																					
	04. With Other Infectious Diseases	2	3	5	1	1	2	1	0	1													2	1	3
	05. Alcoholic Psychoses	45	6	51	25	2	27	1	1	2	1	0	1										27	3	30
	06a. Due to Opium and Other Drugs	3	4	7	1	2	3	0	1	1													1	3	4
	06b. Due to Other Exogenous Toxins	2	1	3	0	1	1				1	0	1										1	1	2
	07. Traumatic Psychoses	6	0	6																					
	08. With Cerebral Arteriosclerosis	35	33	68	4	5	9	1	0	1	1	0	1										6	5	11
	09. With Other Disturbances of Circulation	1	3	4	1	1	2	0	1	1													1	2	3
	10. With Convulsive Disorders (Epilepsy)	20	16	36	1	2	3	1	0	1	4	1	5	1	0	1	3	2	5				10	5	15
	11. Senile Psychoses	20	11	31													0	1	1				0	1	1
	12. Involutional Psychoses	15	44	59	3	7	10	0	2	2							0	1	1				3	10	13
	13. Due to Other Metabolic, etc., Diseases	11	28	39	2	8	10	3	1	4	0	1	1										5	10	15
	14. Due to New Growth	0	1	1																					
	15. With Organic Changes of Nervous System	3	3	6																					
	16. Psychoneuroses	55	54	109	20	16	36	2	1	3	1	0	1										23	17	40
	17. Manic-Depressive Psychoses	198	225	423	51	62	113	27	28	55	12	21	33	9	8	17	7	2	9				106	121	227
	18. Dementia Praecox (Schizophrenia)	250	233	483	20	28	48	11	10	21	8	6	14	2	0	2	1	0	1	0	1	1	42	45	87
	19. Paranoia and Paranoid Conditions	26	23	49	4	2	6				2	1	3										6	3	9
	20. With Psychopathic Personality	4	0	4	2	0	2																2	0	2
	21. With Mental Deficiency	22	22	44	6	3	9	0	1	1	0	1	1										6	5	11
	22. Undiagnosed Psychoses	8	10	18	2	2	4				0	1	1										2	3	5
	TOTAL WITH PSYCHOSIS (1–22)	780	733	1,513	145	144	289	50	48	98	32	32	64	13	8	21	11	6	17	0	1	1	251	239	490
	TOTAL WITHOUT PSYCHOSIS (23–24)	389	176	565																					
	GRAND TOTAL	1,169	909	2,078																					

TABLENo. 32—(Co ti ue l)

DISCHARGES BY CONDITION ON DISCHARGE, LENGTH OF STAY IN HOSPITAL AND DIAGNOSIS

	DIAGNOSIS	IMPROVED																				
		0–5 Months			6–11 Months			1–2 Years			3–4 Years			5 Years and over			Unascertained			Total Improved		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis	16	5	21	9	2	11	10	0	10	3	0	3	5	1	6				43	8	51
	02. With Other Forms of Syphilis							1	0	1				0	1	1				1	1	2
	03. With Epidemic Encephalitis																					
	04. With Other Infectious Diseases	0	2	2																0	2	2
	05. Alcoholic Psychoses	8	2	10	1	0	1	5	0	5	1	0	1	2	1	3				17	3	20
	06a. Due to Opium and Other Drugs	1	1	2																1	1	2
	06b. Due to Other Exogenous Toxins	1	0	1																1	0	1
	07. Traumatic Psychoses	3	0	3				1	0	1	1	0	1							5	0	5
	08. With Cerebral Arteriosclerosis	13	11	24	3	4	7	2	8	10				4	1	5				22	24	46
	09. With Other Disturbances of Circulation	0	1	1																0	1	1
	10. With Convulsive Disorders (Epilepsy)	3	4	7	2	0	2	1	2	3	2	1	3	0	2	2				8	9	17
	11. Senile Psychoses	9	4	13	2	0	2	2	1	3	3	2	5	1	1	2				17	8	25
	12. Involutional Psychoses	4	17	21	2	6	8	2	6	8	1	1	2	2	1	3				11	31	42
	13. Due to Other Metabolic, etc., Diseases	3	9	12	1	5	6	0	3	3	1	0	1							5	17	22
	14. Due to New Growth																					
	15. With Organic Changes of Nervous System	1	0	1	2	1	3													3	1	4
	16. Psychoneuroses	19	22	41	2	4	6	5	5	10	1	0	1	0	1	1				27	32	59
	17. Manic-Depressive Psychoses	34	49	83	17	17	34	18	19	37	9	9	18	6	7	13	1	0	1	85	101	186
	18. Dementia Praecox (Schizophrenia)	63	63	126	46	36	82	37	30	67	17	21	38	27	18	45				190	168	358
	19. Paranoia and Paranoid Conditions	7	14	21	6	2	8	3	0	3				1	2	3				17	18	35
	20. With Psychopathic Personality	1	0	1													1	0	1	2	0	2
	21. With Mental Deficiency	4	8	12	2	1	3	4	3	7	2	1	3	1	3	4				13	16	29
	22. Undiagnosed Psychoses	2	2	4	0	3	3	1	1	2	1	1	2							4	7	11
	Total with Psychosis (1–22)	193	230	423	95	81	176	92	78	170	42	36	78	49	39	88	2	0	2	472	448	920
	Total without Psychosis (23–24)																					
	GRAND TOTAL																					

TABLE No. 32—(Concluded)

DISCHARGES BY CONDITION ON DISCHARGE, LENGTH OF STAY IN HOSPITAL AND DIAGNOSIS

	DIAGNOSIS	UNIMPROVED																				
		0–5 Months			6–11 Months			1–2 Years			3–4 Years			5 Years and over			Unas-certained			Total Unimproved		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01. With Syphilitic Meningo-Encephalitis							1	0	1										1	0	1
	02. With Other Forms of Syphilis																					
	03. With Epidemic Encephalitis																			1	0	1
	04. With Other Infectious Diseases																					
	05. Alcoholic Psychoses	2	1	3																1	0	1
	06a. Due to Opium and Other Drugs	1	0	1																1	0	1
	06b. Due to Other Exogenous Toxins																					
	07. Traumatic Psychoses	1	0	1																1	0	1
	08. With Cerebral Arteriosclerosis	5	3	8	0	1	1	1	0	1				1	0	1				7	4	11
	09. With Other Disturbances of Circulation																					
	10. With Convulsive Disorders (Epilepsy)	1	0	1				1	1	2				0	1	1				2	2	4
	11. Senile Psychoses	3	1	4	0	1	1													3	2	5
	12. Involutional Psychoses	0	2	2	0	1	1				1	0	1							1	3	4
	13. Due to Other Metabolic, etc., Diseases	1	1	2																1	1	2
	14. Due to New Growth				0	1	1													0	1	1
	15. With Organic Changes of Nervous System	0	2	2																0	2	2
	16. Psychoneuroses	5	5	10																5	5	10
	17. Manic-Depressive Psychoses	3	2	5	1	0	1	1	0	1	1	0	1	0	1	1	1	0	1	7	3	10
	18. Dementia Praecox (Schizophrenia)	9	10	19	3	2	5	3	6	9	1	2	3	2	0	2				18	20	38
	19. Paranoia and Paranoid Conditions	1	2	3				1	0	1	1	0	1							3	2	5
	20. With Psychopathic Personality																					
	21. With Mental Deficiency	2	0	2				2	1	3										3	1	4
	22. Undiagnosed Psychoses	1	0	1	1	0	1													2	0	2
	TOTAL WITH PSYCHOSIS (1–22)	34	28	62	5	6	11	11	8	19	4	2	6	3	2	5	1	0	1	57	46	103
	TOTAL WITHOUT PSYCHOSIS (23–24)																					
	GRAND TOTAL																					

TABLE No. 33
DEATHS BY DIAGNOSIS

	DIAGNOSIS	First Admissions			Re-Admissions			TOTAL		
		M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	44	4	48	–	–	–	**44**	4	48
	02. With Other Forms of Syphilis	–	–	–	–	–	–	–	–	–
	03. With Epidemic Encephalitis	2	2	4	0	1	1	2	3	5
	04. With Other Infectious Diseases	1	0	1	–	–	–	1	0	1
	05. Alcoholic Psychoses	2	1	3	–	–	–	2	1	3
	06.a Due to Opium and Other Drugs	0	1	1	–	–	–	0	1	1
	06b. Due to Other Exogenous Toxins	–	–	–	–	–	–	–	–	–
	07. Traumatic Psychoses	0	1	1	–	–	–	**0**	1	1
	08. With Cerebral Arteriosclerosis	69	39	108	3	3	6	72	42	114
	09. With Other Disturbances of Circulation	2	3	5	0	1	1	2	4	6
	10. With Convulsive Disorders (Epilepsy)	11	10	21	5	1	6	16	11	27
	11. Senile Psychoses	51	82	133	3	4	7	54	86	140
	12. Involutional Psychoses	8	17	25	1	2	3	9	19	28
	13. Due to Other Metabolic, etc. Diseases	8	9	17	–	–	–	8	9	17
	14. Due to New Growth	–	–	–	–	–	–	–	–	–
	15. With Organic Changes of Nervous System	3	3	6	0	1	1	3	4	7
	16. Psychoneuroses	1	1	2	0	2	2	1	3	4
	17. Manic-Depressive Psychoses	28	23	51	13	11	24	41	34	75
	18. Dementia Praecox (Schizophrenia)	63	66	129	19	12	31	82	78	160
	19. Paranoia and Paranoid Conditions	1	5	6	–	–	–	1	5	6
	20. With Psychopathic Personality	1	0	1	–	–	–	1	0	1
	21. With Mental Deficiency	5	13	18	1	0	1	6	13	19
	22. Undiagnosed Psychoses	2	2	4	–	–	–	**2**	2	4
Without Psychosis	231a. Epileptics not Psychotic or Feebleminded	1	0	1	**1**	2	3	2	2	4
	231b. Epileptics who are Feebleminded	10	8	18	–	–	–	10	8	18
	232. Alcoholism	–	–	–	–	–	–	–	–	–
	233. Drug Addiction	1	0	1	–	–	–	1	0	1
	234. Mental Deficiency	31	24	55	1	2	3	32	26	58
	235. Disorders of Personality	–	–	–	–	–	–	–	–	–
	236. Psychopathic Personality	–	–	–	–	–	–	–	–	–
	24. Primary Behaviour Disorders	–	–	–	–	–	–	–	–	–
	Total 1-22	302	282	584	45	38	83	347	320	667
	Total 23-24	43	32	75	2	4	6	45	36	81
	GRAND TOTAL	345	314	659	47	42	89	392	356	748

TABLE No. 34

CAUSE OF DEATH BY DIAGNOSIS

CAUSE OF DEATH*	TOTAL			PSYCHOSES																	
				General Paresis			Alcoholic			With Cerebral Arteriosclerosis			With Convulsive Disorders (Epil.)			Senile			Involutional		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Infectious and Parasitic Diseases																					
Typhoid and paratyphoid fever	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza	1	1	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Dysentery	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis of the respiratory system	32	25	57	2	0	2	0	0	0	2	2	4	1	1	2	2	0	2	1	2	3
Other forms of tuberculosis	2	0	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Syphilis	4	1	5	4	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Purulent infection, septicaemia	3	4	7	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Other infectious and parasitic diseases	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Cancer and other Tumours																					
Cancer and other malignant tumours	10	11	21	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Tumours, non-malignant and unspecified	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rheumatic Diseases and Other General Diseases	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Diseases of the Blood and Blood Forming Organs																					
Anaemia	3	2	5	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Leukaemias and other diseases of the blood	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Poisonings and Intoxications	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of Nervous System and Organs of Special Sense																					
Cerebral haemorrhage, embolism and thrombosis	30	22	52	0	0	0	0	0	0	11	7	18	0	1	1	5	2	7	1	3	4
General paralysis of the insane	23	1	24	23	1	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dementia praecox and other psychoses	6	8	14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	3
Epilepsy	11	4	15	0	0	0	0	0	0	1	0	1	4	0	4	0	0	0	0	0	0
Other diseases of the nervous system	12	4	16	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1
Diseases of the Circulatory System																					
Acute and chronic endocarditis	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of the myocardium	62	84	146	4	0	4	0	1	1	13	10	23	3	1	4	18	31	49	2	6	8
Diseases of coronary arteries and angina pectoris	18	6	24	1	0	1	0	0	0	2	1	3	1	0	1	4	0	4	0	0	0
Other diseases of the heart	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arteriosclerosis	15	9	24	3	0	3	1	0	1	8	5	13	0	1	1	0	2	2	2	0	2
Other diseases of the circulatory system	1	3	4	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0

*This is a special list prepared for use in Ontario Hospitals. All rubrics to which no deaths were classified are omitted from the table.

TABLE No. 34—(Continued)

CAUSE OF DEATH BY DIAGNOSIS

CAUSE OF DEATH*	TOTAL			PSYCHOSES																	
				General Paresis			Alcoholic			With Cerebral Arteriosclerosis			With Convulsive Disorders (Epil.)			Senile			Involutional		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Diseases of the Respiratory System																					
Pneumonias (lobar, broncho and unspecified)	129	137	266	5	2	7	0	0	0	34	13	47	1	5	6	23	44	67	1	4	5
Pleurisy	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system (not tuberculosis)	0	5	5	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0
Diseases of the Digestive System																					
Ulcer of the stomach or duodenum	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diarrhoea and enteritis	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Appendicitis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hernia, intestinal obstruction	3	0	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of the liver and biliary passages	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Other diseases of the digestive system	2	1	3	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0
Diseases of the Genito-Urinary System																					
Nephritis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Other diseases of the kidneys and ureters	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of the prostate	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Diseases of the genital organs, not venereal	1	2	3	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
Diseases of the Skin and Cellular Tissue	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of the Bones and Organs of Locomotion	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Congenital malformations	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Senility	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Violent or Accidental Death																					
Suicide	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other accidents	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Ill-Defined Causes of Death	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	392	356	748	44	4	48	2	1	3	72	42	114	16	11	27	54	86	140	10	19	29

---

*This is a special list prepared for use in Ontario Hospitals. All rubrics to which no deaths were classified are omitted from the table.

TABLE No. 34—(Continued)

CAUSE OF DEATH BY DIAGNOSIS

CAUSE OF DEATH*	PSYCHOSES																		Without Psychosis and Primary Behaviour Disorders		
	Psycho-neurosis			Manic-Depressive			Dementia Praecox (Schizophrenia)			Paranoia and Paranoid Conditions			With Mental Deficiency			All Other					
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Infectious and Parasitic Diseases																					
Typhoid and paratyphoid fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Influenza	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Dysentery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Tuberculosis of the respiratory system	0	1	1	1	2	3	11	11	22	0	1	1	2	2	4	3	0	3	7	3	10
Other forms of tuberculosis	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Purulent infection, septicaemia	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	1	1	0	2	2
Other infectious and parasitic diseases	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Cancer and other Tumours																					
Cancer and other malignant tumours	0	0	0	1	2	3	8	5	13	0	0	0	0	0	0	0	3	3	0	1	1
Tumours, non-malignant and unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Rheumatic Diseases and Other General Diseases	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of the Blood and Blood Forming Organs																					
Anaemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Leukaemias and other diseases of the blood	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	2
Chronic Poisonings and Intoxications	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of Nervous System and Organs of Special Sense																					
Cerebral haemorrhage, embolism and thrombosis	1	0	1	2	1	3	8	6	14	0	0	0	0	1	1	2	1	3	0	0	0
General paralysis of the insane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dementia praecox and other psychoses	0	0	0	1	1	2	3	5	8	0	0	0	0	0	0	0	0	0	0	0	0
Epilepsy	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	5	4	9
Other diseases of the nervous system	0	0	0	2	0	2	2	0	2	0	0	0	0	0	0	1	1	2	6	2	8
Diseases of the Circulatory System																					
Acute and chronic endocarditis	0	0	0	0	0	0	1	1	2	0	0	0	0	1	1	0	0	0	1	0	1
Diseases of the myocardium	0	0	0	9	12	21	7	15	22	0	0	0	0	2	2	3	5	8	3	1	4
Diseases of coronary arteries and angina pectoris	0	0	0	4	0	4	4	2	6	0	2	2	1	0	1	1	1	2	0	0	0
Other diseases of the heart	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Arteriosclerosis	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of the circulatory system	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0

*This is a special list prepared for use in Ontario Hospitals. All rubrics to which no deaths were classified are omitted from the table.

TABLE No. 34—(Concluded)

CAUSE OF DEATH BY DIAGNOSIS

CAUSE OF DEATH*	PSYCHOSES																		Without Psychosis and Primary Behaviour Disorders		
	Psycho-neurosis			Manic-Depressive			Dementia Praecox (Schizophrenial)			Paranoia and Paranoid Conditions			With Mental Deficiency			All Other					
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Diseases of the Respiratory System																					
Pneumonias (lobar, broncho and unspecified)	0	0	0	13	15	28	24	24	48	1	1	2	3	6	9	8	7	15	16	16	32
Pleurisy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of the respiratory system (not tuberculosis)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1
Diseases of the Digestive System																					
Ulcer of the stomach or duodenum	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Diarrhoea and enteritis	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
Appendicitis	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Hernia, intestinal obstruction	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Other diseases of the liver and biliary passages	0	0	0	1	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of the digestive system	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of the Genito-Urinary System																					
Nephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of the kidneys and ureters	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Diseases of the prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of the genital organs, not venereal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Diseases of the Skin and Cellular Tissue	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of the Bones and Organs of Locomotion	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Senility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Violent or Accidental Death																					
Suicide	0	1	1	1	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Other accidents	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Ill-Defined Causes of Death	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	1	3	4	41	34	75	82	78	160	1	5	6	7	13	20	18	23	41	44	37	81

*This is a special list prepared for use in Ontario Hospitals. All rubrics to which no deaths were classified are omitted from the table.

TABLE No. 35

DEATHS BY AGE, SEX AND DIAGNOSIS

		DIAGNOSIS	TOTAL			AGE GROUP																				
						Under 10			10–14			15–19			20–24			25–29			30–34			35–39		
			M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
WITH PSYCHOSIS	01.	With Syphilitic Meningo-Encephalitis	44	4	48										1	0	1				1	0	1	5	0	5
	02.	With Other Forms of Syphilis																								
	03.	With Epidemic Encephalitis	2	3	5																			0	2	2
	04.	With Other Infectious Diseases	1	0	1																					
	05.	Alcoholic Psychoses	2	1	3																					
	06a.	Due to Opium and Other Drugs	0	1	1																					
	06b.	Due to Other Exogenous Toxins																								
	07.	Traumatic Psychoses	0	1	1																					
	08.	With Cerebral Arteriosclerosis	72	42	114																					
	09.	With Other Disturbances of Circulation	2	4	6																					
	10.	With Convulsive Disorders (Epilepsy)	16	11	27				0	1	1				1	0	1	4	1	5	2	0	2			
	11.	Senile Psychoses	54	86	140																					
	12.	Involutional Psychoses	9	19	28																					
	13.	Due to Other Metabolic, etc., Diseases	8	9	17										0	1	1	1	0	1	0	1	1	0	2	2
	14.	Due to New Growth																								
	15.	With Organic Changes of Nervous System	3	4	7													0	1	1	1		1			
	16.	Psychoneuroses	1	3	4																0	1	1			
	17.	Manic-Depressive Psychoses	41	34	75							1	0	1	1	0	1	1	1	2				3	0	3
	18.	Dementia Praecox (Schizophrenia)	82	78	160										1	1	2	9	2	11	7	3	10	7	5	12
	19.	Paranoia and Paranoid Conditions	1	5	6																			0	1	1
	20.	With Psychopathic Personality	1	0	1																			1	0	1
	21.	With Mental Deficiency	6	13	19										2	0	2	0	2	2	0	1	1	1	3	4
	22.	Undiagnosed Psychoses	2	2	4																					
WITHOUT PSYCHOSIS	231a.	Epileptics not Psychotic or Feebleminded	2	2	4																					
	231b.	Epileptics Who are Feebleminded	10	8	18	0	2	2	2	2	4	1	1	2	2	2	4	2	1	3						
	232.	Alcoholism																								
	233.	Drug Addiction	1	0	1																			1	0	1
	234.	Mental Deficiency	32	26	58	6	4	10	7	6	13	7	5	12	4	3	7	2	3	5	1	0	1	2	2	4
	235.	Disorders of Personality																								
	236.	Psychopathic Personality																								
	24.	Primary Behaviour Disorders																								
		TOTAL 1–22	347	320	667	0	0	0	0	1	1	1	0	1	6	2	8	15	7	22	11	6	17	17	13	30
		TOTAL 23–24	45	36	81	6	6	12	9	8	17	8	6	14	6	5	11	4	4	8	1	0	1	3	2	5
		GRAND TOTAL	392	356	748	6	6	12	9	9	18	9	6	15	12	7	19	19	11	30	12	6	18	20	15	35

TABLE No. 35—(Concluded)

DEATHS BY AGE, SEX AND DIAGNOSIS

		DIAGNOSIS	AGE GROUP 40–44			45–49			50–54			55–59			60–64			65–69			70 and Over			Unascertained		
			M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01.	With Syphilitic Meningo-Encephalitis	7	1	8	10	0	10	4	2	6	1	1	9	3	0	3	5	0	5						
	02.	With Other Forms of Syphilis																								
	03.	With Epidemic Encephalitis	0	1	1	1	0	1	1	0	1															
	04.	With Other Infectious Diseases	1		1																					
	05.	Alcoholic Psychoses	1	1	2										1	0	1									
	06a.	Due to Opium and Other Drugs							0	1	1															
	06b.	Due to Other Exogenous Toxins																								
	07.	Traumatic Psychoses																			0	1	1			
	08.	With Cerebral Arteriosclerosis				1	1	2	1	4	5	4	8	12	11	6	17	12	9	21	43	14	57			
	09.	With Other Disturbances of Circulation				1	1	2				0	1	1	0	1	1	0	1	1	1	0	1			
	10.	With Convulsive Disorders (Epilepsy)	4	1	5	0	2	2	2	1	3	1	0	1	0	2	2	1	1	2	1	2	3			
	11.	Senile Psychoses										1	1	2	2	1	3	5	9	14	46	75	121			
	12.	Involutional Psychoses				0	2	2	0	6	6	5	6	11	0	2	2				4	3	7			
	13.	Due to Other Metabolic, etc., Diseases				0	1	1	2	1	3	2	2	4	3	1	4									
	14.	Due to New Growth																								
	15.	With Organic Changes of Nervous System	0	1	1	1	0	1				0	1	1				1	0	1	0	1	1			
	16.	Psychoneuroses				0	1	1	1	0	1				0	1	1									
	17.	Manic-Depressive Psychoses	2	5	7	2	1	3	4	8	12	4	2	6	5	2	7	7	5	12	11	10	21			
	18.	Dementia Praecox (Schizophrenia)	2	6	8	7	5	12	4	11	15	9	7	16	17	11	28	7	6	13	12	21	33			
	19.	Paranoia and Paranoid Conditions										0	2	2				0	1	1	1	1	2			
	20.	With Psychopathic Personality																								
	21.	With Mental Deficiency	2	0	2	0	2	2	0	2	2	0	2	2							1	1	2			
	22.	Undiagnosed Psychoses							1	2	3										1	0	1			
Without Psychosis	231a.	Epileptics not Psychotic or Feebleminded				1	1	2	1	0	1							0	1	1						
	231b.	Epileptics who are Feebleminded				1	0	1				2	0	2												
	232.	Alcoholism																								
	233.	Drug Addiction																								
	234.	Mental Deficiency																								
	235.	Disorders of Personality										1	1	2	2	0	2				0	2	2			
	236.	Psychopathic Personality																								
	24.	Primary Behaviour Disorders																								
		Total 1–22	19	16	35	23	16	39	20	38	58	34	33	67	42	27	69	38	32	70	121	129	250			
		Total 23 24	0	0	0	2	1	3	1	0	1	3	1	4	2	0	2	0	1	1	0	2	2			
		GRAND TOTAL	19	16	35	25	17	42	21	38	59	37	34	71	44	27	71	38	33	71	121	131	252			

TABLE No. 36

DEATHS BY TOTAL DURATION OF HOSPITAL LIFE AND DIAGNOSIS

	DIAGNOSIS	TOTAL			TOTAL DURATION OF HOSPITAL LIFE																				
					Less than 1 month			1–3 months			4–7 months			8–11 months			1–2 years			3–4 years			5–6 years		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	44	4	48	8	0	8	8	3	11	2	0	2	...	...	...	10	0	10	9	1	10	1	0	1
	02. With Other forms of Syphilis	0	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	03. With Epidemic Encephalitis	2	3	5	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	0	1	1	...	...	...
	04. With Other Infectious Diseases	1	0	1	1	0	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	05. Alcoholic Psychoses	2	1	3	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	1	0	1	...	...	...
	06a. Due to Opium and Other Drugs	0	1	1	...	...	...	...	...	...	...	...	...	...	...	...	0	1	1	...	...	...	...	...	...
	06b. Due to Other Exogenous Toxins	0	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	07. Traumatic Psychoses	0	1	1	0	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	08. With Cerebral Arteriosclerosis	72	42	114	26	8	34	14	8	22	6	10	16	1	3	4	11	4	15	4	7	11	4	0	4
	09. With Other Disturbances of Circulation	2	4	6	1	0	1	1	2	3	0	1	1	...	...	...	...	...	...	...	...	...	0	1	1
	10. With Convulsive Disorders (Epilepsy)	16	11	27	...	...	...	...	...	...	...	...	...	1	0	1	3	2	5	0	1	1	1	2	3
	11. Senile Psychoses	54	86	140	12	19	31	6	15	21	11	9	20	3	8	11	11	15	26	6	5	11	0	2	2
	12. Involutional Psychoses	9	19	28	2	4	6	0	1	1	0	3	3	...	...	...	3	4	7	0	2	2	0	2	2
	13. Due to other Metabolic, etc., Diseases	8	9	17	4	6	10	3	1	4	0	1	1	...	...	...	1	1	2	...	...	...	...	...	...
	14. Due to New Growth	0	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	15. With Organic Changes of Nervous System	3	4	7	1	0	1	1	0	1	...	...	...	...	...	...	0	2	2	...	...	...	0	1	1
	16. Psychoneuroses	1	3	4	0	1	1	...	...	...	...	...	...	...	...	...	...	...	...	0	1	1	...	...	...
	17. Manic-Depressive Psychoses	41	34	75	8	7	15	6	3	9	2	2	4	1	1	2	7	7	14	3	3	6	1	2	3
	18. Dementia Praecox (Schizophrenia)	82	78	160	3	0	3	3	1	4	3	3	6	1	1	2	11	15	26	7	5	12	9	4	13
	19. Paranoia and Paranoid Conditions	1	5	6	1	0	1	...	...	...	0	1	1	...	...	...	...	...	...	...	...	...	0	1	1
	20. With Psychopathic Personality	1	0	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	0	1
	21. With Mental Deficiency	6	13	19	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	3	1	4	0	3	3
	22. Undiagnosed Psychoses	2	2	4	1	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Without Psychosis	231a. Epileptics not Psychotic or Feebleminded	2	2	4	0	1	1	...	...	...	...	...	...	0	1	1	1	0	1	1	0	1	...	...	...
	231b. Epileptics who are Feebleminded	10	8	18	1	1	2	0	1	1	1	2	3	...	...	...	2	1	3	...	...	...	1	1	2
	232. Alcoholism	0	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	233. Drug Addiction	1	0	1	1	0	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	234. Mental Deficiency	32	26	58	3	0	3	4	3	7	5	0	5	3	2	5	6	5	11	2	4	6	2	3	5
	235. Disorders of Personality	0	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	236. Psychopathic Personality	0	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	24. Primary Behaviour Disorders	0	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	TOTAL 1–22	347	320	667	69	49	118	42	34	76	24	30	54	7	13	20	59	53	112	33	27	60	17	18	35
	TOTAL 23–24	45	36	81	5	2	7	4	4	8	6	2	8	3	3	6	9	6	15	3	4	7	3	4	7
	GRAND TOTAL	392	356	748	74	51	125	46	38	84	30	32	62	10	16	26	68	59	127	36	31	67	20	22	42

TABLE No. 36—(Concluded)

DEATHS BY TOTAL DURATION OF HOSPITAL LIFE AND DIAGNOSIS

	DIAGNOSIS	TOTAL DURATION OF HOSPITAL LIFE																				
		7–8 years			9–10 years			11–12 years			13–14 years			15–19 years			20 years and over			Unascertained		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With Psychosis	01. With Syphilitic Meningo-Encephalitis	2	0	2	2	0	2	1	0	1				1	0	1						
	02. With Other Forms of Syphilis																					
	03. With Epidemic Encephalitis	1	1	2																		
	04. With Other Infectious Diseases																					
	05. Alcoholic Psychoses																					
	06a. Due to Opium and Other Drugs																					
	06b. Due to Other Exogenous Toxins																					
	07. Traumatic Psychoses																					
	08. With Cerebral Arteriosclerosis	2	1	3				1	0	1	1	1	2				2	0	2			
	09. With Other Disturbances of Circulation																					
	10. With Convulsive Disorders (Epilepsy)	1	1	2	2	0	2	1	1	2				2	1	3	5	3	8			
	11. Senile Psychoses	3	4	7	1	1	2	1	3	4	0	1	1	0	1	1	0	3	3			
	12. Involutional Psychoses	0	1	1	1	0	1							1	1	2	2	1	3			
	13. Due to Other Metabolic, etc., Diseases																					
	14. Due to New Growth																					
	15. With Organic Changes of Nervous System	1	1	2																		
	16. Psychoneuroses				0	1	1										1	0	1			
	17. Manic-Depressive Psychoses	2	2	4	0	1	1	0	2	2	2	1	3	1	0	1	8	3	11			
	18. Dementia Praecox (Schizophrenia)	4	8	12	1	5	6	4	3	7	1	3	4	4	6	10	31	24	55			
	19. Paranoia and Paranoid Conditions				0	2	2	0	1	1												
	20. With Psychopathic Personality																					
	21. With Mental Deficiency	0	3	3	1	0	1	0	1	1	0	1	1	1	3	4						
	22. Undiagnosed Psychoses				1	0	1															
Without Psychosis	231a. Epileptics not Psychotic or Feebleminded																					
	231b. Epileptics who are Feebleminded				1	2	3							1	0	1	3	0	3			
	232. Alcoholism																					
	233. Drug Addiction																					
	234. Mental Deficiency	1	0	1	1	5	6	1	0	1	2	1	3	1	3	4	1	0	1			
	235. Disorders of Personality																					
	236. Psychopathic Personality																					
	24. Primary Behaviour Disorders																					
	TOTAL 1–22	16	22	38	9	10	19	8	11	19	4	7	11	10	12	22	49	34	83	0	0	0
	TOTAL 23–24	1	0	1	2	7	9	1	0	1	2	1	3	2	3	5	4	0	4	0	0	0
	GRAND TOTAL	17	22	39	11	17	28	9	11	20	6	8	14	12	15	27	53	34	87	0	0	0

TABLE No. 37

DEATHS BY TOTAL DURATION OF HOSPITAL LIFE

LENGTH OF STAY	First Admissions			Re-Admissions			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 1 month	69	46	115	3	6	9	72	52	124
1-3 months	45	39	84	3	3	6	48	42	90
4-7 months	26	26	52	2	4	6	28	30	58
8-11 months	8	15	23	2	1	3	10	16	26
1-2 years	63	50	113	5	6	11	68	56	124
3-4 years	30	27	57	5	4	9	35	31	66
5-6 years	15	20	35	6	2	8	21	22	43
7-8 years	15	17	32	5	6	11	20	23	43
9-10 years	9	14	23	2	3	5	11	17	28
10 years and over	64	61	125	15	6	21	79	67	146
TOTAL DEATHS	344	315	659	48	41	89	392	356	748

TABLE No. 38

GENERAL STATISTICS

YEAR ENDING MARCH 31, 1939

HOSPITAL	Date Hospital Opened	Acreage		Acres in Fruit and Vegetables	Acres in Grain	Acres in Buildings and Grounds	Acres in Bush or not Cultivated	Standard‡ Bed Capacity
		Owned	Rented					
Brockville	1894	569	——	40	369	35	125	750
Cobourg	1920	11	——	3	0	8	0	320
Ft. William	1936	1,250	——	15	455	25	755	60
Hamilton	1876	525	——	112	339	74	0	1,065
Kingston	1864	257	——	23	125	109	0	945
London	1870	505	——	90	307	70	38	1,100
New Toronto	1890	136	——	53	33	50	0	1,000
Orillia	1876	500	30	98	180	100	152	1,500
Penetang	1904	383	——	78	31	25	249	450
Toronto	1846	20	——	3	0	17	0	750
Whitby	1920	615	——	125	340	150	0	1,500
Woodstock	1906	354	——	29	195	90	40	480
ALL HOSPITALS		5,125	30	669	2,374	753	1,359	9,920

‡Certified Bed Capacity. After Hamilton et al Survey — 1936-37.

TABLE No. 39

CLASSIFICATION OF STAFF BY HOSPITAL

YEAR ENDING MARCH 31, 1939

HOSPITALS	TOTAL STAFF	Superintendent	Physicians (not on ward duty)	Physicians (on ward duty)	Medical Consultants	Psychologists and Psychometrists	Pathologists	Occupational Therapists	Dentists	Dietitians	Teachers	Instructors	Social Service Workers	Superintendent of Nurses	Graduate Nurses (not on ward duty)	Graduate Nurses (on ward duty)	Nurses-in-Training (not on ward duty)	Nurses-in-Training (on ward duty)
Brockville	234	1	1	4	2	1	....	2	1	1	....	1	1	1	4	41	....	44
Cobourg	77	1	....	1	....	....	....	....	1	1	....	....	1	1	1	39	....	....
Fort William	30	1	....	1	....	....	....	....	1	....	....	....	....	....	....	2	....	....
Hamilton	288	1	1	6	2	1	1	4	1	2	....	1	1	1	3	47	....	48
Kingston	250	1	1	6	1	1	1	4	1	1	....	1	1	1	4*	40	....	49
London	351	1	1	10†	1	1	1	4	1	1	....	....	2	1	38‡	82	1	17
New Toronto	338	1	1	11	6	1	....	4	2	1	....	....	1	1	3	95	....	30
Orillia	271	1	1	5	1	1	....	....	2	1	11	2	1	1	2	33	....	31
Penetang	126	1	....	2	3	....	....	1	1	....	1	....	....	1	....	8	....	....
Toronto	229	1	3	5	4	....	....	5	1	1	....	....	2	1	7	73	....	....
Whitby	381	1	2	7	....	1	....	5	1	1	....	2	1	1	5	117	8	41
Woodstock	128	1	....	3	4	....	....	2	1	1	1	....	....	1	2	23	....	....
TOTAL	2,703	12	11	61	24	7	3	31	14	11	13	7	11	11	69	600	9	260

* Includes 1 Dental Nurse.

† Includes 2 Medical Student Internes.

‡ Includes 13 Post Graduate Nurses and 15 Affiliate Nurses.

TABLE No. 39—(Concluded)

CLASSIFICATION OF STAFF BY HOSPITAL

YEAR ENDING MARCH 31, 1939

HOSPITALS	Nurse Attendants (not on ward duty)	Nurse Attendants (on ward duty)	Chief Attendant	Attendants (not on ward duty)	Attendants (on ward duty)	Steward, Storekeeper and Store Assistants	Clerical and Stenographic Staff		Kitchen and Dining Room Help		Laundry Help		Other Domestic Help	Farmers, Gardeners and Assistants	Engineers and other Mechanical Help	Other Male Employees	Other Female Employees
							M	F	M	F	M	F					
Brockville	......	1	1	1	62	3	2	7	5	5	1	5	6	8	18	3	1
Cobourg	1	1	......	......	......	2	......	3	1	4	......	2	2	1	9	4	1
Fort William	......	......	1	6	9	1	......	1	1	3	......	......	......	2	1	......	......
Hamilton	......	......	1	6	84	3	2	8	5	9	2	7	2	12	20	5	2
Kingston	......	......	1	......	79	3	1	6	6	2	1	3	5	5	22	2	1
London	......	1	1	4	90	3	1	7	4	14	3	6	17	14	21	2	1
New Toronto	......	......	1	3	97	3	2	12	5	11	3	5	6	5	22	6	......
Orillia	6	19	1	10	54	3	3	12	10	11	2	5	4	9	20	5	4
Penetang	......	14	1	2	58	2	......	2	2	5	1	3	1	4	7	4	2
Toronto	1	......	1	8	60	3	1	4	3	8	2	6	5	1	10	11	2
Whitby	1	......	1	5	98	4	3	9	9	6	1	6	10	12	22	1	......
Woodstock	2	10	1	6	33	2	1	6	3	3	1	3	......	5	10	2	1
TOTAL	11	46	11	51	724	32	16	77	54	81	17	51	58	78	182	45	15

TABLE No. 40

EXPENDITURES REPORTED BY ONTARIO HOSPITALS

April 1st, 1938, to March 31st, 1939

HOSPITALS	All Hospitals	Brockville	Cobourg	Fort William	Hamilton	Kingston	London
Total Days Stay	5,103,706	410,228	168,351	36,167	616,557	438,093	622,011
Average Daily Population	13,983	1,124	461	99	1,689	1,200	1,704
Medicines*	$ 105,535.26	$ 8,240.03	$ 2,859.01	$ 1,095.14	$ 10,114.03	$ 7,658.06	$ 13,189.73
Provisions	792,534.16	57,728.03	30,782.64	7,597.80	86,312.72	70,148.39	93,467.04
Boarding Out	119,903.21	10,638.40	936.75	0	10,159.84	12,359.33	24,495.44
Fuel, Light and Water	415,643.02	32,361.61	15,288.82	3,748.01	55,383.27	34,275.28	49,416.97
Clothing	142,529.47	10,446.38	6,621.21	1,521.87	13,599.65	9,995.31	17,174.11
Laundry and Cleaning	69,838.11	5,055.78	3,022.55	1,132.68	6,813.73	5,101.99	8,830.91
Furniture and Furnishings	131,595.98	7,940.71	4,159.53	855.94	12,026.94	8,673.43	18,342.75
Office Expense	21,504.46	1,809.57	926.00	255.19	2,902.81	2,101.14	2,085.37
Allowances†	181,944.28	15,509.04	9,923.38	2,339.09	25,283.40	16,252.34	20,093.55
Feed, Fodder and Livestock	114,651.76	14,006.67	0	8,665.26	19,339.24	8,534.00	16,789.15
Farm Expense	37,322.91	4,132.78	279.05	1,698.07	5,205.72	2,645.73	4,848.77
Contingencies	44,651.62	3,478.86	2,269.13	1,650.11	4,767.94	4,732.98	6,033.06
Salaries	2,792,481.38	236,396.08	88,902.74	34,119.75	295,678.50	256,646.43	343,661.84
Total Gross	4,970,145.62	407,743.94	165,970.81	64,678.91	547,587.79	439,124.41	618,428.69
Less Recoveries‡	1,478,763.42	138,004.37	28,627.47	20,399.39	207,919.65	111,465.71	205,671.73
Total Net	3,491,382.20	269,739.57	137,343.34	44,279.52	339,668.14	327,658.70	412,756.96
Repairs to Building Expense	90,107.01	5,662.77	2,976.10	2,958.56	9.180.12	8,838.01	15,737.49
TOTAL	3,581,489.21	275,402.34	140,319.44	47,238.08	348,848.26	336,496.71	428,494.45

*Medicines include tobacco.

†Allowances include employees' meals, employees' uniforms, employees' other allowances.

‡Recoveries include farm recovery and miscellaneous receipts, perquisites and patients' maintenance.

TABLE No. 40—(Concluded)

EXPENDITURES REPORTED BY ONTARIO HOSPITALS

April 1st, 1938, to March 31st, 1939

HOSPITALS	New Toronto	Orillia	Penetang	Toronto	Whitby	Woodstock
Total Days Stay	565,701	708,384	225,631	443,606	657,502	211,475
Average Daily Population	1,549	1,944	618	1,215	1,801	579
Medicines*	$ 15,300.29	$ 9,878.23	$ 6,567.84	$ 9,146.89	$ 11,984.54	$ 9,501.47
Provisions	92,401.61	97,004.12	41,755.18	74,044.89	98,732.86	42,558.88
Boarding Out	19,315.27	0	5,866.50	11,834.50	24,297.18	0
Fuel, Light and Water	44,482.32	39,110.86	24,288.58	26,524.51	63,998.82	26,763.97
Clothing	18,499.77	23,112.42	8,250.51	12,485.35	15,791.05	5,031.84
Laundry and Cleaning	7,985.63	9,357.71	3,116.56	6,496.21	9,090.07	3,834.29
Furniture and Furnishings	18,686.09	17,881.06	4,103.64	11,263.47	21,444.75	6,217.67
Office Expense	2,560.79	1,985.06	1,139.17	1,615.54	2,396.46	1,727.36
Allowances†	16,925.58	20,693.95	10,886.67	9,109.25	31,170.22	3,757.81
Feed, Fodder and Livestock	893.49	16,128.37	8,301.78	143.34	14,111.78	7,738.68
Farm Expense	2,290.44	4,071.25	1,177.49	401.46	7,755.36	2,826.79
Contingencies	4,041.39	4,093.34	2,002.23	4,309.50	4,985.55	2,287.53
Salaries	336,843.60	277,042.93	134,791.74	256,752.07	390,852.68	140,793.02
TOTAL GROSS	580,226.27	520,359.30	252,247.89	424.126.98	696,611.32	253,039.31
Less Recoveries‡	125,886.77	101,998.50	60,095.44	89,293.85	253,602.61	135,797.93
TOTAL NET	454,339.50	418,360.80	192,152.45	334,833.13	443,008.71	117,241.38
Repairs to Building Expense	9,699.22	9,183.70	5,729.87	6,126.52	8,036.35	5,978.30
TOTAL	464,038.72	427,544.50	197,882.32	340,959.65	451,045.06	123,219.68

*Medicines include tobacco.

†Allowances include employees' meals, employees' uniforms, employees' other allowances.

‡Recoveries include farm recovery and miscellaneous receipts, perquisites and patients' maintenance.

TABLE No. 41

COST PER PATIENT PER DAY BY HOSPITAL

April 1st, 1938—March 31st, 1939

ITEMS	Brockville	Cobourg	Fort William	Hamilton	Kingston	London	New Toronto	Orillia	Penetang	Toronto	Whitby	Wood-stock	All Hospitals
	¢	¢	¢	¢	¢	¢	¢	¢	¢	¢	¢	¢	¢
Medicines*	2.01	1.70	3.08	1.64	1.75	2.12	2.71	1.39	2.97	2.07	1.82	4.49	2.07
Provisions	16.66	18.86	21.07	15.65	18.83	18.97	19.76	13.68	21.10	19.37	18.71	20.12	15.53
Boarding-Out	2.59	.56	—	1.64	2.82	3.94	3.42	—	2.60	2.67	3.70	—	2.35
Fuel, Light and Water	7.89	9.08	10.35	8.98	7.83	7.95	7.86	5.53	10.76	5.98	9.73	12.66	8.14
Clothing	2.54	3.92	4.20	2.21	2.27	2.76	3.27	3.26	3.66	2.82	2.40	2.38	2.79
Laundry and Cleaning	1.23	1.80	3.13	1.11	1.17	1.42	1.42	1.32	1.37	1.46	1.39	1.81	1.37
Furniture and Furnishings	1.94	2.47	2.37	1.94	1.98	2.95	3.30	2.52	1.81	2.54	3.26	2.94	2.58
Office Expense	.44	.55	.70	.47	.48	.34	.45	.28	.50	.36	.36	.82	0.42
Allowances†	3.79	5.89	6.46	4.11	3.71	3.23	2.99	2.92	4.81	2.06	4.74	1.77	3.56
Feed and Fodder	3.41	—	23.95	3.46	1.94	2.69	.15	2.28	3.67	.03	2.14	3.66	2.25
Farm Expense	1.01	.16	4.69	.51	.60	.78	.40	.57	.52	.09	1.18	1.34	0.73
Contingencies	.85	1.35	4.56	.77	1.08	.97	.71	.58	.88	.97	.76	1.08	0.87
Salaries	57.62	52.80	94.31	47.95	58.58	55.25	35.64	19.65	38.96	37.86	40.13	40.13	54.71
Total Gross Per Diem	99.39	98.58	178.87	88.80	100.22	99.43	102.56	73.43	111.79	95.63	105.93	119.65	97.38
Less Recoveries‡	34.85	16.99	56.39	33.70	25.43	33.05	21.54	18.90	26.63	20.12	49.29	63.97	28.97
Total Net Per Diem	64.54	81.59	122.48	55.10	74.79	66.38	81.02	54.53	85.16	75.51	56.64	55.68	68.41
Repairs to Buildings Expense	1.38	1.76	8.18	1.48	2.01	2.53	1.71	1.29	2.53	1.38	1.22	2.82	1.77
TOTAL	65.92	83.35	130.66	56.58	76.80	68.91	82.73	55.82	87.69	76.89	57.86	58.50	70.18

*Medicines include tobacco.

†Allowances include employees' meals, employees' uniforms and employees' other allowances.

‡Recoveries include farm recovery, miscellaneous receipts, perquisites and patients' maintenance.

TABLE No. 42

ANNUAL DENTAL REPORT—ONTARIO HOSPITALS

Year Ending March 31, 1939

	Brockville	Cobourg*	Hamilton	Kingston	London	New Toronto	Orillia	Penetang	Toronto	Whitby	Wood-stock	Psychi-atric	TOTAL
Patients at Clinic	3,064	995	3,442	2,817	2,513	4,432	3,173	1,032	3,494	6,021	2,469	853	34,305
Examinations Only	852	222	661	503	925	2,304	485	370	572	1,752	601	635	9,882
Patients Treated (Public Charge)	1,960	736	2,027	1,502	1,147	1,675	2,161	648	2,890	3,288	1,668	163	19,865
Patients Treated (Private Charge)	252	37	754	812	441	453	527	14	32	981	200	55	4,558
Patients X-Rayed	337	105	341	62	359	220	153	2	178	204	2	0	1,963
Number of Pictures Taken	3,528	722	1,728	639	4,734	1,477	1,155	0	1,479	1,228	3	2	16,695
Extractions	755	378	1,641	746	1,679	1,140	1,233	359	1,248	2,360	539	134	12,078
General Anaesthetics	12	0	7	0	35	6	0	1	11	1	2	3	78
Local Anaesthetics	640	184	1,247	724	518	642	784	276	1,044	1,359	295	120	7,833
Fillings	485	609	708	550	931	639	1,254	76	256	903	255	81	6,747
Pyorrhea Treatments	35	29	187	1,619	402	889	601	0	322	313	277	14	4,688
Prophylaxis	352	115	574	1,771	124	935	626	171	822	106	498	75	6,169
Other Treatments	97	115	381	2,361	462	430	359	0	1,111	764	226	32	6,338
Replacements	8	3	2	4	30	44	6	0	56	9	3	0	165
Dentures Repaired	10	16	24	19	28	42	17	56	65	117	86	0	470
Other Work	64	110	118	759	57	101	27	2	297	400	565	1	2,500

*Emergency service only during April and May.

TABLE No. 43

REPORT OF WORK BY ONTARIO HOSPITALS CHEST CLINIC
YEAR ENDING MARCH 31, 1939

	Toronto Psychiatric		Brockville		Cobourg		Fort William		Hamilton		Kingston		London		New Toronto	
	Staff	Patients	Staff	Patients	Staff	Patients	Staff	Patients	Staff	Patients	Staff	Patients	Staff	Patients	Staff	Patients
No. of individuals considered	121	52	296	1,585	94	520	40	141	348	2,098	345	1,532	486	2,338	458	1,709
No. of chest examinations performed	2	0	13	283	25	10	0	0	41	30	35	48	57	44	57	13
No. of chest X-rays interpreted	113	52	312	1,653	133	544	45	153	386	2,174	443	1,649	601	2,381	752	1,783
No. of tuberculin tests performed	116	0	369	0	55	60	37	0	316	0	244	0	344	0	416	0
No. of cases advised for treatment (active disease)	0	0	2	22	0	4	0	0	1	23	3	26	0	28	2	9
No. of cases advised for investigation in hospitals: staff merely repeat X-rays, patients segregated while investigated	9	0	30	84	17	17	3	0	35	94	33	84	39	124	47	70
Total number of cases showing significant pulmonary tuberculosis	9	0	32	106	17	21	3	0	36	117	36	110	39	152	49	79

Includes work on staff at St. Thomas. 9 individuals considered, 9 chest X-rays interpreted, 1 advised for investigation (repeat X-ray), 1 showing significant pulmonary tuberculosis.

TABLE No. 43—(Concluded)
REPORT OF WORK BY ONTARIO HOSPITALS CHEST CLINIC
Year Ending March 31st, 1939

	Orillia		Penetang		Toronto		Whitby		Woodstock		T.B. Unit		Totals		GRAND TOTALS
	Staff	Patients	Staff	Patients	Staff	Patients	Staff	Patients	Staff	Patients	Staff	Patients	Staff	Patients	
No. of individuals considered	288	2,241	138	712	274	1,757	426	2,335	132	656	...	330	3,455	18,006	21,461*
No. of chest examinations performed	22	43	39	93	12	15	108	268	21	23	...	473	432	1,343	1,775
No. of chest X-rays interpreted	292	2,304	144	778	323	1,844	458	2,447	150	689	...	493	4,161	18,944	23,105*
No. of tuberculin tests performed	366	1,743	120	0	150	2	382	0	124	0	...	...	3,039	1,803	4,842
No. of case advised for treatment (active disease)	1	11	1	14	1	10	1	29	0	9	...	...	12	185	197
No. of cases advised for investigation in hospitals: staff merely repeat X-rays, patients segregated while investigated	37	43	18	54	31	39	40	60	18	17	...	...	358	686	1,044*
Total number of cases showing significant pulmonary tuberculosis	38	54	19	68	32	49	41	89	18	26	...	...	370	871	1,241*

Includes work on staff at St. Thomas. 9 individuals considered, 9 chest X-rays interpreted, 1 advised for investigation (repeat X-ray), 1 showing significant pulmonary tuberculosis.

TABLE No. 43

LABORATORY AND PATHOLOGICAL REPORT

April, 1938, to March, 1939

PROCEDURES	Brockville	Cobourg	Fort William	Hamilton	Kingston	London	New Toronto	Orillia	Penetang	Toronto	Whitby	Woodstock	Psychiatric	TOTAL
Urinalysis:														
Chemical	561	314	81	4,426	1,856	1,196	3,858	907	173	914	2,860	896	766	18,808
Microscopic	388	8	0	1,466	1,057	988	3,708	732	118	614	2,543	338	730	12,690
Other Procedures	0	0	0	0	0	0	1,579	0	0	0	1	0	0	1,580
Blood Examinations:														
White Cell Counts	339	16	138	497	233	739	1,214	458	75	96	695	139	742	5,381
Red Cell Counts	336	15	138	505	247	693	1,079	420	79	78	641	194	45	4,470
Differential Counts	293	3	13	14	20	377	1,013	24	0	53	95	10	10	1,925
Haemoglobin Estimations	343	115	196	501	251	911	1,087	421	83	89	652	194	749	5,592
Chemical Examinations	6	0	0	46	8	104	0	0	0	29	55	0	10	258
Blood Cultures	0	4	0	17	7	101	0	15	1	6	96	0	9	256
Blood Sugars	7	9	0	173	69	194	2,345	23	0	113	173	31	45	3,182
Glucose Tolerance Tests	0	0	0	0	0	0	388	0	0	3	0	0	8	399
Widal and Br. Abortus Agglut's	3	3	0	7	2	1,074	0	24	0	1	0	0	2	1,116
Hinton's	0	39	0	194	0	644	199	40	122	0	0	0	670	1,908
Wasserman's	410	68	97	399	331	70	463	276	49	474	662	123	49	3,471
Kahn's	410	69	97	353	331	644	463	475	66	596	662	123	670	4,959
Presumptive Kahns	0	0	0	0	0	123	0	0	0	0	0	0	0	123
Spinal Fluid Examinations:														
Cell Counts	5	0	3	78	24	330	283	113	0	187	83	1	3	1,110
Globulin Tests	95	0	14	81	14	330	283	113	0	200	83	1	25	1,239
Colloidal Golds	95	0	24	83	24	330	211	113	0	218	83	1	25	1,207
Hinton's	0	0	0	31	0	0	0	0	2	48	0	0	0	81
Wasserman's	95	0	24	122	51	329	211	113	6	170	83	0	19	1,223
Kahn's	95	0	24	82	51	288	211	113	7	218	83	0	25	1,197
Sputum Examinations	597	119	14	802	144	738	265	78	19	780	261	119	1	3,937
Throat Swabs	2	1	0	0	2	97	2	108	0	2	81	0	0	295
Faecal Examinations	3	2	0	0	4	272	23	148	0	12	85	4	3	556
Gastric Analysis	1	0	0	0	0	0	5	0	0	0	8	1	1	16
Basal Metabolism	0	0	0	0	0	42	75	0	0	0	26	0	19	162
Tissue Examinations:														
Surgical	2	0	0	10	20	25	6	2	0	2	4	0	0	71
Post Mortem	0	0	0	2	0	0	0	2	0	0	9	0	0	13
Autopsies	2	0	1	1	1	36	0	2	0	0	10	1	10	64
Serological Therapy	0	224	170	17	99	1,746	0	23	767	1,762	2,432	269	20	7,529
Other Tests (not listed)	645	127	123	22	135	840	944	75	188	262	291	107	22	3,781
TOTAL PROCEDURES	4,733	1,136	1,157	9,929	4,981	13,261	19,716	4,977	1,673	7,049	12,757	2,552	4,678	88,599
Number of Deaths	56	8	4	113	54	130	87	53	18	98	102	25	0	748
Patients in Hospital Year Ending March 31st, 1939	1,097	446	97	1,646	1,172	1,635	1,539	1,981	600	1,192	1,736	605	64	12,810

SUPPLEMENTARY STATISTICAL TABLES ON THE ONTARIO HOSPITAL SCHOOL, ORILLIA

(Hospital for Mentally Defective)

TABLE A.

PATIENTS IN RESIDENCE — BY SEX AND MENTAL STATUS

MARCH 31st, 1939

MENTAL STATUS	Male		Female		TOTAL	
	Number	Per Cent	Number	Per Cent	Number	Per Cent
Idiot	225	22.3	204	21.0	429	21.7
Imbecile	533	52.7	486	50.1	1,019	51.4
Moron	230	22.7	256	26.4	486	24.5
Borderline	20	2.0	19	2.0	39	2.0
Not Mentally Defective	3	0.3	5	0.5	8	0.4
TOTAL	1,011	100.0	970	100.0	1,981	100.0

TABLE B.

FIRST ADMISSIONS BY MENTAL STATUS AND AGE

AGE GROUP (Years)	Idiot			Imbecile			Moron			Not Mentally Defective			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 10	30	13	43	12	12	24	12	7	19	2	2	4	56	34	90
10 – 14	9	4	13	10	10	20	16	14	30	3	0	3	38	28	66
15 – 19	4	4	8	13	8	21	16	18	34	0	1	1	33	31	64
20 – 24	–	–	–	1	0	1	0	1	1	0	1*	1	1	2	3
25 and over	2	0	2	–	–	–	1	0	1	–	–	–	3	0	3
TOTAL	45	21	66	36	30	66	45	40	85	5	4	9	131	95	226

* Psychosis with Mental Deficiency

TABLE C.

FIRST ADMISSIONS BY MENTAL STATUS AND ECONOMIC CONDITION

ECONOMIC CONDITION	Idiot			Imbecile			Moron			Not Mentally Defective			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Dependent ...	15	3	18	11	11	22	29	22	51	3	4*	7	58	40	98
Marginal	25	15	40	18	14	32	15	15	30	1	0	1	59	44	103
Comfortable .	4	2	6	3	4	7	–	–	–	–	–	–	7	6	13
Unascertained	1	1	2	4	1	5	1	3	4	1	0	1	7	5	12
TOTAL ...	45	21	66	36	30	66	45	40	85	5	4	9	131	95	226

* Psychosis with Mental Deficiency, one patient

TABLE D

FIRST ADMISSIONS BY MENTAL STATUS AND CLINICAL DIAGNOSIS

CLINICAL CLASSIFICATION	Idiot			Imbecile			Moron			Not Mentally Defective			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Familial	9	5	14	12	10	22	21	20	41	1	3	4	43	38	81
Mongolism	4	2	6	4	5	9	0	1	1	–	–	–	8	8	16
With Developmental Cranial Anomalies	9	0	9	8	0	8	4	4	8	1	0	1	22	4	26
With Congenital‡ Spastic Paralysis	3	1	4	0	1	1	1	0	1	–	–	–	4	2	6
Post-infectional	4	4	8	7	2	9	1	1	2	–	–	–	12	7	19
With Epilepsy	4	4	8	1	4	5	4	1	5	–	–	–	9	9	18
With Endocrine Disorder .	2	1	3	0	2	2	0	1	1	–	–	–	2	4	6
With other Organic Nervous Disease	2	1	3	–	–	–	1	0	1	–	–	–	3	1	4
Undifferentiated	5	2	7	3	6	9	11	11	22	2	1*	3	21	20	41
Other Forms	–	–	–	–	–	–	1	0	1	1	0	1	2	0	2
Others	3	1	4	1	0	1	1	1	2	–	–	–	5	2	7
TOTAL	45	21	66	36	30	66	45	40	85	5	4	9	131	95	226

* Psychosis with Mental Deficiency.

‡ With Congenital Cerebral Spastic Infantile Paralysis.

TABLE E.

DISCHARGES BY MENTAL STATUS AND CHRONOLOGICAL AGE

AGE GROUP (Years)	Idiot			Imbecile			Moron			Not Mentally Defective‡			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 10	2	1	3	1	1	2	2	1	3	–	–	–	5	3	8
10 - 14	1	0	1	3	0	3	2	2	4	3	0	3	9	2	11
15 - 19	–	–	–	2	3	5	12	11	23	2	4	6	16	18	34
20 - 24	–	–	–	2	2	4	8	9	17	1	1	2	11	12	23
25 and over ..	–	–	–	0	1	1	1	8	9	1	1	2	2	10	12
TOTAL	3	1	4	8	7	15	25	31	56	7	6	13	43	45	88

‡ Borderline and dull normal groups. These are classed under rubric 234d — Mental Deficiency, grade unspecified, in the diagnostic code.

TABLE F.

DISCHARGES BY ABILITY OF PATIENT ON DISCHARGE AND CLINICAL CLASSIFICATION

CLINICAL CLASSIFICATION	Capable of Self-Support			Capable of Partial Self-Support			Incapable of Productive Work			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Familial	8	11	19	6	9	15	2	4	6	16	24	40
Mongolism	–	–	–	–	–	–	0	2	2	0	2	2
With Developmental Cranial Anomalies	–	–	–	–	–	–	2	0	2	2	0	2
With Congenital Cerebral Spastic Infantile Paralyses	–	–	–	–	–	–	1	0	1	1	0	1
Post-infectional	–	–	–	1	0	1	2	1	3	3	1	4
With Epilepsy	1	0	1	3	1	4	4	0	4	8	1	9
With Endocrine Disorder ...	–	–	–	–	–	–	1	0	1	1	0	1
Undifferentiated	5	10	15	2	4	6	2	2	4	9	16	25
Other Forms	–	–	–	1	0	1	–	–	–	1	0	1
Others	1	0	1	–	–	–	1	1	2	2	1	3
TOTAL	15	21	36	13	14	27	15	10	25	43	45	88

TABLE G.

DISCHARGES BY CONDITION ON DISCHARGE

CONDITIONS ON DISCHARGE	Epileptics who are Feebleminded			Mental Deficiency			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Recovered	–	–	–	–	–	–	–	–	–
Improved	4	1	5	25	35	60	29	36	65
Unimproved	4	0	4	10	9	19	14	9	23
TOTAL	8	1	9	35	44	79	43	45	88

TABLE H.

DEATHS BY MENTAL STATUS AND CHRONOLOGICAL AGE

AGE GROUP (Years)	Idiot			Imbecile			Moron			Not Mentally Defective			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 10	5	5	10	1	1	2	–	–	–	–	–	–	6	6	12
10 - 14	7	6	13	2	2	4	–	–	–	–	–	–	9	8	17
15 - 19	3	4	7	2	1	3	–	–	–	–	–	–	5	5	10
20 - 24	1	2	3	1	1	2	0	1	1	–	–	–	2	4	6
25 - 29	2	1	3	–	–	–	–	–	–	0	1*	1	2	2	4
30 - 34	1	0	1	–	–	–	–	–	–	–	–	–	1	0	1
35 - 39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40 - 44	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45 - 49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50 and over	–	–	–	3	0	3	–	–	–	–	–	–	3	0	3
Unascertained	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TOTAL	19	18	37	9	5	14	0	1	1	0	1*	1	28	25	53

* Psychosis with Mental Deficiency.

SUPPLEMENTARY STATISTICAL TABLES ON THE ONTARIO HOSPITAL, WOODSTOCK

TABLE A.

FIRST ADMISSIONS & PATIENTS IN RESIDENCE BY SEX & MENTAL STATUS YEAR ENDING MARCH 31st, 1939

MENTAL STATUS	First Admissions			Patients In Residence		
	Male	Female	Total	Male	Female	Total
Normal	17	7	24	23	26	49
Subnormal	7	2	9	11	12	23
Idiot	0	1	1	6	3	9
Imbecile	5	3	8	48	62	110
Moron	16	11	27	74	81	155
Borderline	7	4	11	25	16	41
Unascertained	7	6	13	109	109	218
TOTAL	59	34	93	296	309	605

TABLE B.

FIRST ADMISSIONS BY EPILEPTIC GROUPS AND TYPES OF SEIZURE

TYPES OF SEIZURE	Symptomatic									Idiopathic			TOTAL		
	Toxaemic						Due to Brain Disease								
	Exogenous			Endogenous											
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Petit Mal	–	–	–	–	–	–	–	–	–	1	0	1	1	0	1
Grand Mal	3	0	3	–	–	–	2	1	3	1	2	3	6	3	9
Petit & Grand Mal	2	0	2	1	0	1	11	6	17	22	16	38	36	22	58
Petit and / or Grand Mal with Post-Epileptic States	1	0	1	0	1	1	3	0	3	8	6	14	12	7	19
Petit and / or Grand Mal with Hysteriod	–	–	–	–	–	–	–	–	–	0	2	2	0	2	2
Jacksonian	–	–	–	–	–	–	2	0	2	–	–	–	2	0	2
Not Epileptic: Hysteroid and Unclassified	–	–	–	–	–	–	–	–	–	–	–	–	2	0	2
TOTAL	6	0	6	1	1	2	18	7	25	32	26	58	59	34	93

TABLE C.

FIRST ADMISSIONS BY DURATION OF EPILEPSY BEFORE ADMISSION AND BY EPILEPTIC GROUPS

DURATION OF EPILEPSY BEFORE ADMISSION	Symptomatic									Idiopathic			TOTAL		
	Toxaemic						Due to Brain Disease								
	Exogenous			Endogenous											
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 1 year	–	–	–	–	–	–	1	0	1	1	1	2	2	1	3
1 Year	–	–	–	–	–	–	1	0	1	1	1	2	2	1	3
2 Years	–	–	–	–	–	–	2	1	3	3	1	4	5	2	7
3-4 Years	–	–	–	–	–	–	–	–	–	2	2	4	2	2	4
5-9 Years	4	0	4	1	0	1	5	4	9	9	2	11	19	6	25
10 Years and over..	2	0	2	0	1	1	9	2	11	16	19	35	27	22	49
Unascertained	–	–	–	–	–	–	–	–	–	–	–	–	2	0	2
TOTAL	6	0	6	1	1	2	18	7	25	32	26	58	59	34	93

TABLE D.

ETIOLOGICAL FACTORS* AMONG FIRST ADMISSIONS BY EPILEPTIC GROUPS

ETIOLOGICAL FACTORS	Symptomatic									Idiopathic			TOTAL		
	Toxaemic						Due to Brain Disease								
	Exogenous			Endogenous											
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Head injury at birth	–	–	–	–	–	–	2	3	5	–	–	–	2	3	5
Trauma since birth.	–	–	–	–	–	–	10	0	10	–	–	–	10	0	10
Developmental defects	1	0	1	–	–	–	5	6	11	7	10	17	13	16	29
Meningo - encephalitis complicating infections†	–	–	–	–	–	–	6	3	9	–	–	–	6	3	9
Syphilis { Acquired	–	–	–	1	0	1	–	–	–	–	–	–	1	0	1
Syphilis { Hereditary	–	–	–	–	–	–	–	–	–	–	–	–	0		
Alcoholism { Acquired	–	–	–	–	–	–	–	–	–	3	3	6	3	3	6
Alcoholism { Parental	5	0	5	–	–	–	–	–	–	–	–	–	5	0	5
Pregnancy	–	–	–	0	1	1	–	–	–	–	–	–	0	1	1
Family history of convulsions	1	0	1	–	–	–	5	4	9	6	9	15	12	13	25
Other specified causes	1	0	1	–	–	–	2	1	3	–	–	–	3	1	4
Cause unascertained	–	–	–	–	–	–	–	–	–	21	11	32	21	11	32
Not epileptic	–	–	–	–	–	–	–	–	–	–	–	–	2	0	2
TOTAL	8	0	8	1	1	2	30	17	47	37	33	70	78	51	129

* If more than one etiological factor is found, all are reported in table.

† Including all cases due to lesions resulting from non-syphilitic meningitis or encephalitis; e.g., scarlet fever, measles, influenza, typhoid fever, encephalitis lethargia, etc.

TABLE E.

DISCHARGES BY EPILEPTIC GROUPS AND CONDITION ON DISCHARGE

CONDITION ON DISCHARGE	Symptomatic									Idiopathic			TOTAL		
	Toxaemia						Due to Brain Disease								
	Exogenous			Endogenous											
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Recovered ...	–	–	–	1	2	3	5	3	8	16	4	20	22	9	31
Improved	–	–	–	0	2	2	7	3	10	7	7	14	14	12	26
Unimproved ..	–	–	–	–	–	–	5	1	6	3	5	8	8	6	14
Not epileptic‡	–	–	–	–	–	–	–	–	–	–	–	–	3	0	3
TOTAL	0	0	0	1	4	5	17	7	24	26	16	42	47	27	74

‡ One male patient — psychoneurosis — unimproved
One male patient — mental deficiency — unimproved
One male patient — primary behaviour disorder — recovered

TABLE F.

CENSUS OF PATIENT POPULATION AT END OF YEAR

DIAGNOSIS	Remaining in Residence‡			On Probation & Eloped		
	Male	Female	Total	Male	Female	Total
Epileptics not insane or feebleminded	48	41	89	9	3	12
Epilpetics who are feebleminded	81	117	198	7	4	11
Insane epileptics	157	147	304	10	4	14
Feebleminded, not epileptic.	4	0	4	–	–	–
All other cases	6	4	10	–	–	–
TOTAL	296	309	605	26	11	37

‡ Includes patients in boarding homes.

MENTAL HEALTH CLINICS

C. R. MYERS, Ph.D., CONSULTANT PSYCHOLOGIST

TABLE No. 1

NEW CASES EXAMINED — YEAR ENDING MARCH 31, 1939*

CLINICS AT	Number of New Cases	
	Current Year	All Years
Brockville	661	3,493
Hamilton	648	5,004
London	693	4,995
Whitby	511	2,877
Toronto Psychiatric	644	5,899
ALL CLINICS	3,157	22,268

* Figures for Kingston Clinic not available.

Cases examined at the Toronto Psychiatric Hospital Out-Patient Department are not included in the following analysis.

TABLE No. 2

CLINIC CASES BY REFERRING AGENCY

REFERRING AGENCY	Number of Cases		Percentages	
	Current Year	All Years	Current Year	All Years
Welfare Agencies	1,109	8,980	44.1	43.0
Medical Agencies	1,233	8,314	49.1	39.8
Educational Agencies	88	2.327	3.5	11.1
Family	48	689	1.9	3.3
Voluntary	14	259	0.6	1.2
Private persons (non-family)	12	229	0.5	1.1
Referee not stated	9	105	0.4	0.5
ALL CASES	2,513	20,903	100.0	100.0

TABLE No. 3
SEX OF NEW CASES

SEX	Number of Cases		Percentages	
	Current Year	All Years	Current Year	All Years
Male	1,315	12,049	52.3	57.6
Female	1,198	8,854	47.7	42.4
TOTAL	2,513	20,903	100.0	100.0

TABLE No. 4
AGE OF NEW CASES

AGE	Number of Cases*		Percentages*	
	Current Year	All Years	Current Year	All Years
0 - 5	252	2,124	10.0	10.5
6 - 13	591	8,487	23.5	42.0
14 - 21	504	4,316	20.1	21.4
22 and over	1,061	5,265	42.2	26.1

* Excluding those not specified.

TABLE No. 5
NEW CASES BY RACIAL ORIGIN

RACIAL ORIGIN	Number of Cases*		Percentages*	
	Current Year	All Years	Current Year	All Years
English	889	6,577	35.4	39.7
Irish, Scotch and Welsh	387	4,490	15.4	27.1
French	349	2,935	13.9	17.7
Other	342	2,556	13.6	15.4

* Excluding those not specified.

TABLE No. 6

FREQUENCY OF CERTAIN PROBLEMS — GENERAL CLASSIFICATION

PROBLEM	Number of Cases		Percentages	
	Current Year	All Years	Current Year	All Years
Abnormal Mental Conditions	1.361	9,564	38.3	32.9
Behaviour Difficulties	927	6,829	26.1	23.5
Routine Examination	656	4,604	18.5	15.8
Abnormal Physical Conditions	332	4,108	9.3	14.1
Educational Problems	127	2,745	3.6	9.4
Social Difficulties	149	1,246	4.2	4.3

TABLE No. 7

FREQUENCY OF CERTAIN SPECIFIC PROBLEMS

PROBLEM	Number of Cases		Percentages	
	Current Year	All Years	Current Year	All Years
Routine Examination	656	4,604	28.4	22.7
Suspected Mental Defect ..	125	3,135	5.4	15.4
Backward at School	111	2,595	4.8	12.8
Stealing	249	1,615	10.8	8.0
Speech Defect	74	1,266	3.2	6.2
Suspected Psychosis	332	1,726	14.4	8.5
Emotional Instability	301	1,492	13.0	7.3
Enuresis	75	845	3.2	4.2
Convulsive Seizures	84	779	3.6	3.8
Sex	84	828	3.6	4.1
Incorrigibility	114	733	4.9	3.6
Truancy	108	683	4.7	3.4

TABLE No. 8

DISTRIBUTION OF CLINIC CASES BY DIAGNOSIS OF INTELLIGENCE

DIAGNOSIS OF INTELLIGENCE	Number of Cases		Percentages	
	Current Year	All Years	Current Year	All Years
Superior	82	600	3.3	2.9
Normal	540	5,603	21.5	26.8
Undiagnosed	978	4,012	38.9	19.2
Dull Normal	279	3.199	11.1	15.3
Borderline	229	2,637	9.1	12.6
Moron	278	3,239	11.1	15.5
Imbecile	104	1,311	4.1	6.3
Idiot	23	302	0.9	1.4
ALL CASES	2,513	20,903	100.0	100.0

TABLE No. 9

CLINIC CASES BY PSYCHIATRIC DIAGNOSIS

PSYCHIATRIC DIAGNOSIS	Number of Cases		Percentages	
	Current Year	All Years	Current Year	All Years
Epilepsy	57	578	6.5	14.5
Neuroses	212	992	24.1	24.8
Schizophrenia	191	734	21.8	18.4
Manic Depressive	102	374	11.6	9.4
Post Encephalitis	6	78	0.7	2.0
Paranoia	33	181	3.8	4.5
Miscellaneous	277	1,058	31.5	26.5
TOTAL	878	3,995	100.0	100.0

TABLE No. 10

FREQUENCY OF CERTAIN TREATMENTS RECOMMENDED

TREATMENT RECOMMENDED	Current Year	All Years
Home Training Course	202	3,101
Tonsils and Adenoids	83	1,554
Supervision by Social Agencies	772	2,846
Dental Attention	106	1,553
Organized Recreation	108	1,551
Medication	166	1,667
Attention Family Physician	38	1,150
Consideration Auxiliary Class Board	53	979
Placement in Foster Home	108	1,237
Adjustment in Home	58	1,524
Diet	70	769
Teacher-pupil Adjustment	15	419
Speech Training	25	465
Special Literature	0	302

TABLE No. 11

FREQUENCY OF INSTITUTIONAL TREATMENT RECEIVED

INSTITUTION RECOMMENDED	Current Year	All Years
Ontario Hospital, Orillia	45	1,099
Other Ontario Hospitals	121	1,153
Bowmanville Boys' Training School	4	255
Other Corrective Institutions	20	227
Other Institutions	67	1,546
ALL CASES RECOMMENDED FOR INSTITUTIONALIZATION	267	4,280

DEPARTMENT OF HEALTH

SEVENTIETH ANNUAL REPORT

ON THE

Public Hospitals, Private Hospitals Hospitals for Incurables

AND

Convalescent Hospitals

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR WHICH ENDED 30th SEPTEMBER

1939

AND

Sanatoria for Consumptives

FOR THE YEARS 1938 AND 1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 16, 1940

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1940

Parliament Buildings,
Toronto, February 22nd, 1940.

To The Honourable Albert Matthews,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to transmit to Your Honour the Seventieth Annual Report on the Hospitals of the Province of Ontario, for the year which ended September 30th, 1939.

Respectfully submitted,

Harold J. Kirby,
Minister of Health.

Parliament Buildings,
Toronto, February 22nd, 1940.

THE HONOURABLE HAROLD J. KIRBY, K.C.,
Minister of Health.

SIR:

I have the honour to submit to you the Seventieth Annual Report on the Hospitals of Ontario for the year which ended September 30th, 1939.

I have the honour to be, Sir,

Your obedient servant,

C. J. TELFER,
Inspector of Hospitals.

Hospitals

Herein is presented a detailed report on General, Red Cross and Convalescent Hospitals, Hospitals for Incurables and Private Hospitals, operating in the Province of Ontario, as compiled from the Financial and Statistical Statements submitted by each for the year which ended September 30th, 1939, and similar reports on the Sanatoria for Consumptives for the two years ended September 30th, 1938, and September 30th, 1939.

There were 176 institutions in operation and participating in Provincial grants at the close of the year, and in addition there were 56 licensed Private Hospitals. These are classified as follows:—

117 General Hospitals
30 Red Cross Hospitals
8 Hospitals for Incurables
4 Convalescent Hospitals
56 Private Hospitals
3 Convalescent Summer Camps for Children
1 Temporary Convalescent Hospital for Poliomyelitis Cases
13 Sanatoria for Consumptives

In Public General Hospitals, exclusive of Red Cross Outposts, there was an increase in the number of patients treated of 11,406 over the previous year and an increase of 111,276 days' treatment. The average number of patients in hospital daily was 10,121 or 532 more than the previous year.

Operating costs increased $272,433.21 over the previous year, and patient revenue was also up $226,855.63. Income from investments reached a total of $349,644.59 or $700.06 less than the previous year. Income from donations reached a total of $748,191.21, an increase of $32,836.94 over the previous year. Income from municipalities amounted to $3,156,775.72 or $140,862.97 more than the previous year, and the amount paid by the Province by way of statutory grants was increased by $8,198.00.

The Red Cross Society opened a new Outpost Hospital during the year at Emo.

The report on Sanatoria for Consumptives for the year which ended September 30th, 1938, was omitted from our Report last year and is therefore included herein.

Executives and officials of the several institutions reported herein are requested to make a careful study of the tables, comparing their hospital with those of similar size and capacity.

Those interested in Private Hospitals will find a table in the back of the report dealing with these institutions.

C. J. Telfer,
Inspector of Hospitals

CONSOLIDATED STATEMENT GIVING CERTAIN STATISTICAL AND FINANCIAL INFORMATION

For the Year October 1st, 1938, to September 30th, 1939

	Public Hospitals	Red Cross Outposts	Hospitals for Incurables	Convalescent Hospitals	TOTALS
Bed Capacity—Adults and Children	12,958	352	1,156	390	14,856
Nursery Bassinettes	2,006	92	.....	......	2,098
Percentage of Bed Occupancy for Year	66.1	51.3	93	......	.....
Number of Live Births During Year	33,251	1,444	..	......	34,695
Number of Deaths, Including Still-births, During Year	12,782	332	401	6	13,521
Total Number of Patients Treated During Year	285,996	8,988	1,683	1,712	298,379
Total Collective Days' Stay of All Patients	3,611,139	83,195	392,468	72,447	4,159,249
Number of Staff and Employees:					
Graduate Nurses	2,069	87	128	26	2,310
Pupil Nurses	2,982	......	.....	......	2,982
Probationer Nurses	998	....	......	......	998
Other Graduate and Professional Staff	523	1	18	8	550
Orderlies	345	14	35	7	401
All Other Employees	5,250	76	404	92	5,822
Total Staff and Employees	12,167	178	585	133	13,063
OPERATING REVENUE	$ c.	$ c.	$ c.	$ c.	$ c.
Income from Patients for Maintenance and Treatment	7,712,926 89	187,951 12	121,271 77	29,009 41	8,051,159 19
Income from Municipalities for Maintenance and Treatment of Patients	2,958,540 74	15,489 68	450,259 24	64,571 88	3,488,861 54
Grants from Government for Maintenance and Treatment of Patients	1,175,285 01	34,144 95	159,296 30	26,304 00	1,395,030 26
Grants from Government for Special Clinics and Radiotherapy, etc.	74,566 30	....	....	.. ..	74,566 30
Total Operating Revenue	11,921,318 94	237,585 75	730,827 31	119,885 29	13,009,617 29
NON-OPERATING REVENUE					
Income from Property, Investments, Endowments, etc., and Miscellaneous	349,644 59	2,316 14	31,092 58	12,216 69	395,270 00
Income from Donations, Bequests and Other Gratuitous Sources	748,191 21	38,074 04	56,003 03	25,350 37	867,618 65
Grants from Municipalities for Building, Debentures, Capital, etc.	198,234 98	....	.... .	.. ..	198,234 98
Total Non-operating Revenue	1,296,070 78	40,390 18	87,095 61	37,567 06	1,461,123 63
Total Revenue	13,217,389 72	277,975 93	817,922 92	157,452 35	14,470,740 92
OPERATING EXPENSE					
Total Cost of Dietaries	2,259,948 61	40,112 39	144,203 85	36,030 63	2,486,295 48
Total Cost of Salaries and Wages	5,561,568 70	124,624 67	308,000 94	74,485 63	6,068,679 94
Other Operating Expense	3,793,435 48	101,905 96	176,490 23	39,079 65	4,110,911 32
Total Operating Expense	11,614,952 79	272,643 02	628,695 02	149,595 91	12,665,886 74
Interest and Sinking Fund Charges	555,259 22	....	11,033 71	550 00	566,842 93
Total Cost	12,170,212 01	272,643 02	639,728 73	150,145 91	13,232,729 67
Average Per Capita Cost	3 22	3 07	1 60	2 06	....

NOTE:—No provision is made in these figures for depreciation on buildings, plant and equipment, and for bad and doubtful accounts.

PUBLIC HOSPITALS

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence on Oct. 1st, 1938	Patients admitted during year ending Sept. 30th, 1939	No. of live births during year	Total No. of patients treated during year	No. of patients discharged during year	No. of deaths	No. of still-births	Patients remaining in residence on Sept. 30th, 1939
		Adults and children	Nursery cots								
GROUP 1 Capacity, 1 to 25 Beds											
Rosedale War Memorial	Matheson	14	4	11	219	75	305	295	4	4	6
Newnham Cottage Hosp.	Moose Factory	14	2	6	47	....	53	39	7	....	7
Louise Marshall Hosp.	Mount Forest	16	5	11	172	49	232	209	12	2	11
Cottage Hospital	Niagara-on-Lake	19	4	9	177	37	223	208	9	....	6
General Hospital	Palmerston	13	4	3	294	42	339	323	12	....	4
General Hospital	Penetanguishene	18	4	13	414	48	475	452	16	2	7
General Hospital	Wingham	20	5	10	321	71	402	378	20	4	4
Totals	....	114	28	63	1,644	322	2,029	1,904	80	12	45
GROUP 2 Capacity, 26 to 50 Beds											
Stevenson Memorial	Alliston	33	7	24	482	90	596	554	25	3	17
Rosamond Memorial	Almonte	20	6	6	348	118	472	448	19	1	5
Bowmanville Hospital	Bowmanville	22	8	14	505	123	642	584	32	6	26
Lady Minto Hospital	Chapleau	36	4	21	410	50	481	438	26	1	17
Public Hospital	Clinton	23	8	10	375	74	459	435	10	6	14
Cobalt Municipal Hosp.	Cobalt	24	2	14	234	33	281	255	15	1	11
Haldimand War Memorial	Dunnville	23	7	10	401	71	482	441	30	3	11
Red Cross Memorial	Durham	27	6	10	197	62	269	248	10	2	11
Groves Memorial Hosp.	Fergus	32	5	19	411	74	504	456	32	6	16
Douglas Memorial Hosp.	Fort Erie	35	12	20	555	94	669	622	23	2	24
Alexandra Marine & Gen.	Goderich	42	8	21	550	117	688	619	40	2	29
Misericordia Hospital	Haileybury	26	5	15	634	25	674	638	20	4	16
Hanover Memorial Hosp.	Hanover	21	6	15	238	50	303	285	11	1	7
Notre Dame Hospital	Hawkesbury	24	3	16	697	25	738	696	25	1	17
St. Paul's Hospital	Hearst	23	4	39	888	140	1,067	995	32	3	40
Alexandra Hospital	Ingersoll	33	8	15	430	118	563	500	42	5	21
Anson General Hospital	Iroquois Falls	40	6	19	580	66	665	638	16	2	11
Kincardine General Hosp.	Kincardine	26	9	16	454	122	592	544	28	6	20
Memorial Hospital	Listowel	21	5	15	388	78	481	461	16	3	4
General Hospital	Mattawa	36	4	14	328	52	394	346	23	2	25
St. Andrew's Hospital	Midland	42	8	23	832	156	1,011	949	36	2	26
York County Hospital	Newmarket	32	8	36	754	148	938	868	43	7	27
Queen Victoria Memorial	North Bay	43	7	27	849	114	990	922	33	9	35
Lord Dufferin Hospital	Orangeville	37	8	17	517	67	601	537	34	5	30
Willett Hospital	Paris	35	8	18	409	92	519	467	34	2	18
Parry Sound General	Parry Sound	30	5	11	653	88	752	706	24	4	22
Charlotte E. Englehart	Petrolia	29	6	15	523	114	652	601	33	6	18
Prince Edward County	Picton	32	11	19	680	169	868	813	36	3	19
Scott Memorial Hosp.	Seaforth	21	6	17	443	79	539	493	28	6	18
General Hospital	Sioux Lookout	24	4	15	542	67	624	588	21	1	15
St. Francis General Hosp.	Smith's Falls	35	5	23	481	60	564	523	20	2	21
Porcupine General Hosp.	S. Porcupine	28	10	34	838	154	1,026	981	19	4	26
Strathroy General Hosp.	Strathroy	43	7	28	537	117	682	611	51	5	20
St. Jean de Brebeuf Hosp.	Sturgeon Falls	33	7	31	718	39	788	720	43	2	25
Soldiers' Memorial	Tillsonburg	39	9	46	1,035	204	1,285	1,183	63	15	39
Lockwood Clinic Hosp.	Toronto	40	....	20	882	....	902	861	24	....	17
Mothercraft Hospital	Toronto	10	18	10	133	....	143	126	2	....	15
County of Bruce Gen.	Walkerton	37	6	17	511	81	609	554	36	3	19
Totals	....	1,157	256	740	20,442	3,331	24,513	22,706	1,055	136	752
GROUP 3 Capacity, 51 to 100 Beds											
Royal Victoria Hospital	Barrie	61	14	35	1,169	204	1,408	1,322	47	6	39
Peel Memorial Hospital	Brampton	44	12	30	828	205	1,063	1,006	30	7	27
St. Vincent de Paul	Brockville	70	12	41	1,100	116	1,257	1,181	42	8	34
Cobourg General Hosp.	Cobourg	42	16	16	636	144	796	724	37	3	35
Lady Minto Hospital	Cochrane	62	8	43	753	104	900	813	47	2	40
General and Marine	Collingwood	51	9	45	988	113	1,146	1,059	54	6	33
Galt General Hospital	Galt	75	16	48	1,390	217	1,655	1,526	84	10	45
Kenora General Hosp.	Kenora	64	6	31	771	125	927	852	36	5	39
St. Joseph's Hospital	Kenora	59	9	24	734	122	880	808	33	9	39
Ross Memorial Hospital	Lindsay	72	2	36	1,179	242	1,457	1,329	91	20	37
St. Joseph's General	North Bay	83	12	39	1,341	137	1,517	1,430	40	10	47
Orillia Soldiers' Memorial	Orillia	73	12	56	1,585	216	1,857	1,723	84	5	50
Oshawa General Hosp.	Oshawa	77	20	55	2,197	357	2,609	2,459	102	14	48
Protestant Children's	Ottawa	55	....	26	786	....	812	772	18	....	22
Salvation Army Grace	Ottawa	57	40	67	1,887	1,127	3,081	2,951	36	34	94
St. Joseph's General	Parry Sound	64	10	32	790	113	935	887	19	3	29
Cottage Hospital	Pembroke	51	6	36	1,144	80	1,260	1,177	44	3	39

PUBLIC HOSPITALS (Continued)

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence on Oct. 1st, 1938	Patients admitted during year ending Sept. 30th, 1939	No. of live births during year	Total No. of patients treated during year	No. of patients discharged during year	No. of deaths	No. of still-births	Patients remaining in residence on Sept. 30th, 1939
		Adults and children	Nursery cots								
Group 3 (Continued)											
Great War Memorial	Perth	44	8	20	1,086	139	1,245	1,160	60	7	25
Nicholls Hospital	Peterborough	82	12	76	1,748	323	2,147	1,976	95	10	76
St. Joseph's Hospital	Peterborough	84	14	56	1,513	293	1,862	1,740	75	11	47
Port Hope Hospital	Port Hope	45	6	27	602	96	725	686	28	4	11
Victoria Hospital	Renfrew	74	10	25	733	123	881	805	37	5	39
General Hospital	Sault Ste. Marie	92	8	44	1,199	204	1,447	1,328	77	11	42
Plummer Memorial	Sault Ste. Marie	50	12	35	998	198	1,231	1,155	49	3	27
Norfolk General Hosp.	Simcoe	57	19	61	1,382	333	1,776	1,636	92	11	48
Smith's Falls Public	Smith's Falls	47	8	24	854	124	1,002	921	43	4	38
Welland County General	Welland	68	12	41	1,623	280	1,944	1,763	105	7	76
Totals		1,703	313	1,069	31,016	5,735	37,820	35,189	1,505	218	1,126
GROUP 4 Capacity, 101 to 200 Beds											
Belleville General Hosp.	Belleville	115	21	117	3,440	428	3,985	3,706	156	17	123
Brockville General Hosp.	Brockville	97	9	72	1,868	159	2,099	1,961	87	12	51
Public General Hosp.	Chatham	90	20	74	2,104	295	2,473	2,324	104	14	45
St. Joseph's Hospital	Chatham	109	18	62	1,886	368	2,316	2,160	96	12	60
Cornwall General Hosp.	Cornwall	93	15	66	1,448	174	1,688	1,584	56	6	48
Hotel Dieu Hospital	Cornwall	130	20	97	2,890	332	3,319	3,110	98	6	111
Guelph General Hospital	Guelph	98	18	83	1,957	233	2,273	2,125	95	11	53
St. Joseph's Hospital	Guelph	99	13	66	1,684	245	1,995	1,845	87	4	63
St. Joseph's Hospital	Hamilton	160	25	126	3,151	617	3,894	3,631	135	22	128
Kitchener-Waterloo Hosp.	Kitchener	113	27	77	2,287	320	2,684	2,494	123	14	67
St. Mary's Hospital	Kitchener	112	18	63	1,877	276	2,216	2,058	92	2	66
Niagara Falls General	Niagara Falls	122	18	65	1,997	365	2,427	2,239	123	8	65
General and Marine	Owen Sound	86	16	55	1,596	224	1,875	1,713	100	14	62
Pembroke General Hosp.	Pembroke	110	15	49	1,425	112	1,586	1,447	85	7	54
Gen. Hosp. of P. Arthur	Port Arthur	120	14	72	1,935	256	2,263	2,121	65	6	77
St. Joseph's General	Port Arthur	173	27	133	3,116	394	3,643	3,379	140	7	124
St. Catharines General*	St. Catharines	180	20	75	3,206	493	3,774	3,498	176	15	100
Memorial Hospital	St. Thomas	95	18	89	2,244	423	2,756	2,546	131	13	79
Sarnia General Hospital	Sarnia	111	17	60	1,761	383	2,204	2,027	105	10	72
Stratford General Hosp.	Stratford	118	21	59	2,203	353	2,615	2,433	116	18	66
St. Mary's Hospital	Timmins	130	26	59	3,301	320	3,680	3,495	107	13	78
Mount Sinai Hospital	Toronto	82	20	98	2,501	476	3,075	2,913	75	15	87
Salvation Army Grace	Toronto	59	47	52	1,430	760	2,242	2,159	18	25	65
Toronto East General	Toronto	145	32	176	3,213	755	4,144	3,826	171	23	147
Wellesley Hosp., Ltd.	Toronto	98	17	70	2,570	223	2,863	2,697	92	8	74
Women's College Hosp.	Toronto	140	45	146	3,535	914	4,595	4,417	48	32	130
Metropolitan General	Windsor	122	32	86	2,854	437	3,377	3,162	139	18	76
Salvation Army Grace	Windsor	105	15	87	2,480	425	2,992	2,773	132	23	87
Woodstock General	Woodstock	90	12	58	1,445	258	1,761	1,597	105	11	59
Totals		3,302	616	2,392	67,404	11,018	80,814	75,440	3,057	386	2,317
GROUP 5 Capacity, 201 Beds and Over											
Brantford Gen. Hosp.**	Brantford	187	20	148	3,116	508	3,772	3,402	213	16	157
McKellar General Hosp.	Fort William	202	24	142	3,415	437	3,994	3,742	117	6	135
Hamilton General (incl. Mt. Hamilton Branch)	Hamilton	706	111	483	13,681	1,561	15,725	14,646	638	69	441
Hotel Dieu Hospital	Kingston	188	20	115	2,766	300	3,181	2,992	83	10	106
Kingston General Hosp.†	Kingston	328	25	197	6,075	401	6,673	6,279	205	20	189
St. Joseph's Hospital	London	298	52	222	4,434	631	5,287	4,901	202	24	184
Victoria Hospital‡	London	448	36	341	7,183	580	8,104	7,391	386	15	327
Ottawa Civic Hospital	Ottawa	540	60	466	10,877	1,036	12,379	11,417	490	40	472
Ottawa General Hosp.	Ottawa	360	22	290	6,928	418	7,636	7,064	295	20	277
St. Joseph's Hospital	Sudbury	198	41	136	5,250	938	6,324	6,007	190	37	127
Hospital for Sick Children	Toronto	432	......	361	8,669	......	9,030	8,352	342	......	336
St. Joseph's Hospital	Toronto	335	43	249	6,207	722	7,178	6,562	339	41	277
St. Michael's Hospital	Toronto	627	60	468	10,638	1,234	12,340	11,222	659	41	459
Toronto General Hosp.	Toronto	1,144	175	950	19,035	1,828	21,813	19,844	981	57	988
Toronto Western Hosp.	Toronto	494	72	462	10,927	1,699	13,088	12,095	538	68	455
Hotel Dieu Hospital	Windsor	195	32	112	3,632	552	4,296	4,021	165	26	110
Totals		6,682	793	5,142	122,833	12,845	140,820	129,937	5,843	490	5,040
GRAND TOTALS:											
Public General Hospitals		**12,958**	**2,006**	**9,406**	**243,339**	**33,251**	**285,996**	**265,176**	**11,540**	**1,242**	**9,280**
Red Cross Outposts		**352**	**92**	**201**	**7,343**	**1,444**	**8,988**	**8,507**	**290**	**42**	**191**
GRAND TOTALS Including	Red Cross	**13,310**	**2,098**	**9,607**	**250,682**	**34,695**	**294,984**	**273,683**	**11,830**	**1,284**	**9,471**

*Includes 10 isolation beds and 33 patients.
**Includes 20 isolation beds and 22 patients.
†Includes 20 isolation beds and 76 patients.
‡Includes 18 isolation beds and 278 patients.

PUBLIC HOSPITALS (Continued)

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital, also the average stay in days each patient was under treatment.

Name of Hospital	Location	Total patients treated during year	Total patient days adults and children for year	Total days infants born for year	Total patient days all patients for year	Average number of patients in hospital daily	Number of graduate and professional staff	Number of other employees, including nurses-in-training	Percentage of beds occupied during year
GROUP 1 Capacity, 1 to 25 Beds									
									%
Rosedale War Memorial	Matheson	305	2,731	740	3,471	10	5	6	52.8
Newnham Cottage Hospital	Moose Factory	53	3,166	....	3,166	9	2	2	54.2
Louise Marshall Hospital	Mount Forest	232	2,804	573	3,377	9	3	5	44.0
Cottage Hospital	Niagara-on-Lake	223	2,304	356	2,660	7	3	5	31.6
General Hospital	Palmerston	339	2,787	455	3,242	9	4	2	52.2
General Hospital	Penetanguishene	475	2,852	492	3,344	9	4	4	41.6
General Hospital	Wingham	402	2,969	700	3,669	10	5	4	40.2
Totals	....	2,029	19,613	3,316	22,929	63	26	28	44.2
GROUP 2 Capacity, 26 to 50 Beds									
Stevenson Memorial Hospital	Alliston	596	6,339	1,023	7,362	20	9	7	50.4
Rosamond Memorial Hosp.	Almonte	472	4,109	1,230	5,339	15	4	3	56.2
Bowmanville Hospital	Bowmanville	642	3,965	1,251	5,216	14	6	15	47.6
Lady Minto Hospital	Chapleau	481	6,224	596	6,820	19	5	6	46.7
Public Hospital	Clinton	459	3,988	835	4,823	13	4	11	42.6
Cobalt Municipal Hospital	Cobalt	281	2,010	312	2,322	6	3	6	24.4
Haldimand War Memorial	Dunnville	482	3,560	717	4,277	12	7	4	39.0
Red Cross Memorial Hosp.	Durham	269	3,516	699	4,215	12	3	4	34.9
Groves Memorial Hospital	Fergus	504	6,180	718	6,898	19	8	5	51.0
Douglas Memorial Hospital	Fort Erie	669	5,762	895	6,657	18	8	11	38.8
Alexandra Marine & General	Goderich	688	8,207	1,191	9,398	26	5	11	51.4
Misericordia Hospital	Haileybury	674	6,466	205	6,671	18	6	8	58.9
Hanover Memorial Hospital	Hanover	303	2,927	514	3,441	9	4	4	34.9
Notre Dame Hospital	Hawkesbury	738	6,038	247	6,285	17	2	16	63.7
St. Paul's Hospital	Hearst	1,067	13,236	1,763	14,999	41	12	15	152.1
Alexandra Hospital	Ingersoll	563	5,937	1,199	7,136	20	9	6	47.6
Anson General Hospital	Iroquois Falls	665	6,082	783	6,865	19	7	8	40.8
Kincardine General Hospital	Kincardine	592	4,372	1,015	5,387	15	5	5	42.1
Memorial Hospital	Listowel	481	3,514	825	4,339	12	4	4	45.7
General Hospital	Mattawa	394	7,321	564	7,885	22	6	11	54.0
St. Andrew's Hospital	Midland	1,011	9,652	1,601	11,253	31	4	26	61.6
York County Hospital	Newmarket	938	9,663	1,528	11,191	31	11	9	76.6
Queen Victoria Memorial	North Bay	990	9,194	1,320	10,514	29	15	12	57.6
Lord Dufferin Hospital	Orangeville	601	7,036	690	7,726	21	11	6	47.0
Willett Hospital	Paris	519	7,241	1,010	8,251	23	7	8	52.5
Parry Sound General Hosp.	Parry Sound	752	7,323	859	8,182	22	7	9	64.0
Charlotte E. Englehart Hosp.	Petrolia	652	6,435	1,181	7,616	21	11	9	59.6
Prince Edward County Hosp.	Picton	868	7,023	1,739	8,762	24	4	26	55.8
Scott Memorial Hospital	Seaforth	539	4,971	831	5,802	16	6	10	58.8
General Hospital	Sioux Lookout	624	5,788	633	6,421	18	5	8	62.8
St. Francis General Hosp.	Smith's Falls	564	8,962	711	9,673	27	18	14	66.2
Porcupine General Hospital	South Porcupine	1,026	7,123	1,484	8,607	24	10	10	62.0
Strathroy General Hospital	Strathroy	682	7,667	1,203	8,870	24	6	22	48.6
St. Jean de Brebeuf Hosp.	Sturgeon Falls	788	10,425	377	10,802	30	7	11	73.9
Soldiers' Memorial Hospital	Tillsonburg	1,285	9,643	2,130	11,773	32	17	12	67.1
Lockwood Clinic Hospital	Toronto	902	7,896	....	7,896	22	18	17	54.0
Mothercraft Hospital	Toronto	143	3,589	....	3,589	10	4	25	35.1
County of Bruce General	Walkerton	609	5,567	766	6,333	17	6	13	40.3
Totals	....	24,513	244,951	34,645	279,596	766	284	407	54.2
GROUP 3 Capacity, 51 to 100 Beds									
Royal Victoria Hospital	Barrie	1,408	13,810	2,010	15,820	43	5	52	57.7
Peel Memorial Hospital	Brampton	1,063	7,858	2,177	10,035	27	14	12	49.0
St. Vincent de Paul Hospital	Brockville	1,257	14,763	1,352	16,115	44	15	52	53.8
Cobourg General Hospital	Cobourg	796	6,832	1,399	8,231	23	13	12	38.8
Lady Minto Hospital	Cochrane	900	15,991	1,060	17,051	47	17	15	66.7
General and Marine Hosp.	Collingwood	1,146	15,228	1,505	16,733	46	8	48	76.4
Galt General Hospital	Galt	1,655	18,335	2,241	20,576	56	34	27	61.9
Kenora General Hospital	Kenora	927	11,177	1,205	12,382	34	6	20	48.4
St. Joseph's Hospital	Kenora	880	11,340	1,054	12,394	34	8	21	49.9
Ross Memorial Hospital	Lindsay	1,457	13,488	2,322	15,810	43	8	35	58.5
St. Joseph's General Hosp.	North Bay	1,517	15,521	1,688	17,209	47	9	66	49.6
Orillia Soldiers' Memorial	Orillia	1,857	20,022	2,254	22,276	61	9	47	71.8
Oshawa General Hospital	Oshawa	2,609	17,256	2,874	20,130	55	15	65	56.8
Protestant Children's Hosp.	Ottawa	812	10,443	....	10,443	29	9	21	52.0
Salvation Army Grace Hosp.	Ottawa	3,081	18,484	12,685	31,169	85	10	60	88.0
St. Joseph's General Hospital	Parry Sound	935	8,710	1,227	9,937	27	4	23	36.7
Cottage Hospital	Pembroke	1,260	13,332	967	14,299	39	17	15	68.7

PUBLIC HOSPITALS (Continued)

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital, also the average stay in days each patient was under treatment.

Name of Hospital	Location	Total patients treated during year	Total patient days adults and children for year	Total days infants born for year	Total patient days all patients for year	Average number of patients in hospital daily	Number of graduate and professional staff	Number of other employees, including nurses-in-training	Percentage of beds occupied during year
Group 3 (Continued)									
									%
Great War Memorial Hosp.	Perth	1,245	10,640	1,452	12,092	33	18	11	63.7
Nicholls Hospital	Peterborough	2,147	23,849	3,430	27,279	74	19	84	79.5
St. Joseph's Hospital	Peterborough	1,862	16,680	3,099	19,779	54	13	53	55.2
Port Hope Hospital	Port Hope	725	7,269	1,046	8,315	23	11	10	44.6
Victoria Hospital	Renfrew	881	10,984	1,320	12,304	34	4	27	40.1
General Hospital	Sault Ste. Marie	1,447	15,863	2,036	17,899	49	15	41	49.0
Plummer Memorial Hospital	Sault Ste. Marie	1,231	11,952	2,045	13,997	38	11	37	61.8
Norfolk General Hospital	Simcoe	1,776	15,578	4,027	19,605	54	30	19	70.6
Smith's Falls Public Hosp.	Smith's Falls	1,002	11,786	1,408	13,194	36	22	12	65.7
Welland County General Hosp.	Welland	1,944	16,658	2,914	19,572	54	31	13	67.0
Totals		37,820	373,849	60,797	434,646	1,191	375	898	59.06
GROUP 4 Capacity, 101 to 200 Beds									
Belleville General Hospital	Belleville	3,985	37,213	4,185	41,398	113	16	112	83.4
Brockville General Hospital	Brockville	2,099	23,161	1,861	25,022	69	11	73	64.7
Public General Hospital	Chatham	2,473	22,424	3,055	25,479	70	11	97	63.5
St. Joseph's Hospital	Chatham	2,316	20,825	3,820	24,645	68	11	80	53.2
Cornwall General Hospital	Cornwall	1,688	18,494	2,145	20,639	57	12	65	52.4
Hotel Dieu Hospital	Cornwall	3,319	33,526	3,778	37,304	102	25	63	68.1
Guelph General Hospital	Guelph	2,273	22,884	2,678	25,562	70	10	91	60.4
St. Joseph's Hospital	Guelph	1,995	24,533	2,639	27,172	74	16	100	66.5
St. Joseph's Hospital	Hamilton	3,894	42,332	6,483	48,815	134	43	159	72.3
Kitchener-Waterloo Hospital	Kitchener	2,684	24,068	3,537	27,605	76	23	101	54.0
St. Mary's Hospital	Kitchener	2,216	23,467	2,933	26,400	72	23	88	55.6
Niagara Falls General Hosp.	Niagara Falls	2,427	22,484	3,239	25,723	70	13	75	50.3
General and Marine Hospital	Owen Sound	1,875	17,511	2,085	19,596	54	15	73	52.6
Pembroke General Hospital	Pembroke	1,586	19,937	1,115	21,052	58	14	57	46.1
General Hospital of P. Arthur	Port Arthur	2,263	28,213	2,946	31,159	85	24	80	63.7
St. Joseph's General Hospital	Port Arthur	3,643	48,543	4,116	52,659	144	14	97	72.1
St. Catharines General Hosp.	St. Catharines	3,774	32,560	5,067	37,627	103	17	111	51.5
Memorial Hospital	St. Thomas	2,756	28,600	4,505	33,105	91	18	106	80.3
Sarnia General Hospital	Sarnia	2,204	21,474	3,696	25,170	69	11	101	53.9
Stratford General Hospital	Stratford	2,615	23,962	3,595	27,557	75	13	85	54.3
St. Mary's Hospital	Timmins	3,680	27,707	3,339	31,046	85	27	87	54.8
Mount Sinai Hospital	Toronto	3,075	29,006	4,622	33,628	92	38	40	90.3
Salvation Army Grace Hosp.	Toronto	2,242	12,515	8,430	20,945	57	18	60	54.1
Toronto East General Hosp.	Toronto	4,144	49,004	8,330	57,334	157	32	144	88.7
Wellesley Hospital, Limited	Toronto	2,863	26,604	2,863	29,467	81	18	157	67.4
Women's College Hospital	Toronto	4,595	38,586	11,127	49,713	136	36	152	73.6
Metropolitan General Hosp.	Windsor	3,377	30,227	4,431	34,658	95	49	51	61.7
Salvation Army Grace Hosp.	Windsor	2,992	29,518	4,605	34,123	93	13	92	77.9
Woodstock General Hospital	Woodstock	1,761	18,610	2,734	21,344	58	15	78	57.3
Totals		80,814	797,988	117,959	915,947	2,509	586	2,675	64.1
GROUP 5 Capacity, 201 Beds and Over									
Brantford General Hospital	Brantford	3,772	45,276	6,027	51,303	141	29	150	67.9
McKellar General Hospital	Fort William	3,994	54,191	4,494	58,685	161	28	86	71.1
Hamilton General (including Mt. Hamilton Branch)	Hamilton	15,725	171,887	18,701	190,588	522	101	583	63.9
Hotel Dieu Hospital	Kingston	3,181	36,817	3,167	39,984	110	44	137	52.7
Kingston General Hospital	Kingston	6,673	72,660	4,539	77,199	212	57	253	59.9
St. Joseph's Hospital	London	5,287	60,696	7,918	68,614	188	38	212	53.7
Victoria Hospital	London	8,104	119,382	7,506	126,888	348	47	385	71.8
Ottawa Civic Hospital	Ottawa	12,379	162,568	13,620	176,188	483	93	433	80.5
Ottawa General Hospital	Ottawa	7,636	103,184	4,973	108,157	296	121	238	77.6
St. Joseph's Hospital	Sudbury	6,324	45,442	8,701	54,143	148	27	156	62.1
Hospital for Sick Children	Toronto	9,030	135,226	......	135,226	370	110	417	85.8
St. Joseph's Hospital	Toronto	7,178	91,822	7,989	99,811	273	65	321	72.3
St. Michael's Hospital	Toronto	12,340	176,234	15,006	191,240	524	128	530	76.3
Toronto General Hospital	Toronto	21,813	344,331	23,397	367,728	1,007	247	1,011	76.4
Toronto Western Hospital	Toronto	13,088	151,126	19,081	170,207	466	163	523	82.4
Hotel Dieu Hospital	Windsor	4,296	35,960	6,100	42,060	115	23	132	50.8
Totals		140,820	1,806,802	151,219	1,958,021	5,364	1,321	5,567	71.8
GRAND TOTALS:									
Public General Hospitals		**285,996**	**3,243,203**	**367,936**	**3,611,139**	**9,894**	**2,592**	**9,575**	**66.1**
Red Cross Outposts		**8,988**	**68,379**	**14,816**	**83,195**	**228**	**88**	**90**	**51.3**
GRAND TOTALS Including Red	Cross	**294,984**	**3,311,582**	**382,752**	**3,694,334**	**10,121**	**2,680**	**9,665**	**65.7**

PUBLIC HOSPITALS (Continued)

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total collective days' stay of all patients	Interest and capital charges	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
GROUP 1 Capacity, 1 to 25 Beds			$ c.	$ c.	$ c.	$ c.	$ c.
Rosedale War Memorial	Matheson	3,471		2,009 29	8,308 16	10,317 45	2 97
Newnham Cottage Hospital	Moose Factory	3,166		2,903 34	3,073 60	5,976 94	1 89
Louise Marshall Hospital	Mount Forest	3,377		1,022 41	5,914 61	6,937 02	2 05
Cottage Hospital	Niagara-on-Lake	2,660		1,597 80	6,077 72	7,675 52	2 89
General Hospital	Palmerston	3,242		1,762 63	6,791 40	8,554 03	2 64
General Hospital	Penetanguishene	3,344		1,181 51	7,711 61	8,893 12	2 66
General Hospital	Wingham	3,669		1,790 87	9,527 96	11,318 83	3 08
Totals		22,929		12,267 85	47,405 06	59,672 91	2 60
GROUP 2 Capacity, 26 to 50 Beds							
Stevenson Memorial Hosp.	Alliston	7,362	432 50	3,670 02	19,891 85	23,561 87	3 20
Rosamond Memorial Hosp.	Almonte	5,339		2,193 46	11,521 74	13,715 20	2 57
Bowmanville Hospital	Bowmanville	5,216		2,849 55	12,902 68	15,752 23	3 02
Lady Minto Hospital	Chapleau	6,820		2,917 14	11,845 90	14,763 04	2 16
Public Hospital	Clinton	4,823	769 76	2,838 94	10,848 62	13,687 56	2 84
Cobalt Municipal Hospital	Cobalt	2,322		801 26	5,428 30	6,229 56	2 68
Haldimand War Memorial	Dunnville	4,277		2,650 25	11,557 68	14,207 93	3 32
Red Cross Memorial Hosp.	Durham	4,215	417 01	1,046 76	7,049 65	8,096 41	1 92
Groves Memorial Hospital	Fergus	6,898		3,763 58	16,335 36	20,098 94	2 91
Douglas Memorial Hospital	Fort Erie	6,657		5,154 37	22,767 87	27,922 24	4 19
Alexandra Marine & General	Goderich	9,398	112 46	6,356 63	17,406 28	23,762 91	2 53
Misericordia Hospital	Haileybury	6,671	5 402 55	4,252 83	12,697 59	16,950 42	2 54
Hanover Memorial Hospital	Hanover	3,441		1,399 84	9,129 02	10,528 86	3 06
Notre Dame Hospital	Hawkesbury	6,285	365 30	2,707 15	14,464 91	17,172 06	2 73
St. Paul's Hospital	Hearst	14,999		6,478 21	22,109 42	28,587 63	1 91
Alexandra Hospital	Ingersoll	7,136		2,959 02	15,147 05	18,106 07	2 54
Anson General Hospital	Iroquois Falls	6,865		5,321 88	26,106 88	31,428 76	4 58
Kincardine General Hospital	Kincardine	5,387		2,436 45	11,968 74	14,405 19	2 67
Memorial Hospital	Listowel	4,339		1,710 43	9,762 49	11,472 92	2 64
General Hospital	Mattawa	7,885		3,476 64	19,078 99	22,555 63	2 86
St. Andrew's Hospital	Midland	11,253		3,534 75	18,755 56	22,290 31	1 98
York County Hospital	Newmarket	11,191		5,686 96	29,039 57	34,726 53	3 10
Queen Victoria Memorial	North Bay	10,514		7,722 38	28,508 38	36,230 76	3 45
Lord Dufferin Hospital	Orangeville	7,726		3,179 52	18,223 02	21,402 54	2 77
Willett Hospital	Paris	8,251		3,755 45	16,809 87	20,565 32	2 49
Parry Sound General Hosp.	Parry Sound	8,182		2,735 58	12,991 31	15,726 89	1 92
Charlotte E. Englehart	Petrolia	7,616		3,788 40	20,062 76	23,851 16	3 13
Prince Edward County	Picton	8,762	781 09	4,297 52	14,023 59	18,321 11	2 09
Scott Memorial Hospital	Seaforth	5,802		2,502 12	12,103 26	14,605 38	2 52
General Hospital	Sioux Lookout	6,421		2,827 22	14,534 02	17,361 24	2 70
St. Francis General Hospital	Smith's Falls	9,673	321 20	8,291 91	20,208 56	28,500 47	2 95
Porcupine General Hospital	South Porcupine	8,607		6,191 91	30,825 75	37,017 66	4 30
Strathroy General Hospital	Strathroy	8,870		4,229 54	16,183 52	20,413 06	2 30
St. Jean de Brebeuf Hospital	Sturgeon Falls	10,802		3,042 89	17,081 72	20,124 61	1 86
Soldiers' Memorial Hospital	Tillsonburg	11,773		6,702 12	27,072 54	33,774 66	2 87
Lockwood Clinic Hospital	Toronto	7,896	726 00	4,285 00	28,273 00	32,558 00	4 12
Mothercraft Hospital	Toronto	3,589		2,903 47	9,582 70	12,486 17	3 48
County of Bruce General	Walkerton	6,333		2,654 76	13,342 72	15,997 48	2 53
Totals		279,596	9,327 87	143,315 91	635,642 72	778,958 63	2 79
GROUP 3 Capacity, 51 to 100 Beds							
Royal Victoria Hospital	Barrie	15,820		10,166 19	31,960 24	42,126 43	2 66
Peel Memorial Hospital	Brampton	10,035	496 46	5,226 40	23,845 91	29,072 31	2 90
St. Vincent de Paul Hosp.	Brockville	16,115	1,278 00	15,724 64	42,827 35	58,551 99	3 63
Cobourg General Hospital	Cobourg	8,231		3,503 57	20,174 58	23,678 15	2 88
Lady Minto Hospital	Cochrane	17,051		9,205 49	29,395 93	38,601 42	2 26
General and Marine Hosp.	Collingwood	16,733		11,788 94	30,888 36	42,677 30	2 55
Galt General Hospital	Galt	20,576	7,305 52	13,357 54	56,554 42	69,911 96	3 40
Kenora General Hospital	Kenora	12,382	1,038 00	8,273 53	24,375 60	32,649 13	2 64
St. Joseph's Hospital	Kenora	12,394	5,100 00	8,459 74	24,093 41	32,553 15	2 63
Ross Memorial Hospital	Lindsay	15,810		8,897 87	32,796 23	41,694 10	2 64
St. Joseph's General Hosp.	North Bay	17,209	12,001 26	9,818 85	26,398 02	36,216 87	2 10
Orillia Soldiers' Memorial	Orillia	22,276	921 83	16,007 88	41,210 54	57,218 42	2 57
Oshawa General Hospital	Oshawa	20,130		16,142 06	56,016 87	72,158 93	3 58
Protestant Children's Hosp.	Ottawa	10,443	1,380 00	4,451 03	23,630 13	28,081 16	2 69
Salvation Army Grace Hosp.	Ottawa	31,169		13,150 10	42,630 46	55,780 56	1 79
St. Joseph's General Hosp.	Parry Sound	9,937	3,353 65	5,788 28	17,896 09	23,684 37	2 38
Cottage Hospital	Pembroke	14,299		7,683 98	32,621 92	40,305 90	2 82

PUBLIC HOSPITALS (Continued)

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total collective days' stay of all patients	Interest and capital charges	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
Group 3 (Continued)			$ c.	$ c.	$ c.	$ c.	$ c.
Great War Memorial Hosp.	Perth	12,092		6,193 25	26,151 03	32,344 28	2 67
Nicholls Hospital	Peterborough	27,279		18,732 03	74,696 21	93,428 24	3 42
St. Joseph's Hospital	Peterborough	19,779	1,944 35	11,451 67	38,855 15	50,306 82	2 54
Port Hope Hospital	Port Hope	8,315		3,710 93	19,066 78	22,777 71	2 74
Victoria Hospital	Renfrew	12,304	4,092 56	5,721 99	19,246 64	24,968 63	2 03
General Hospital	Sault Ste. Marie	17,899		8,125 09	34,678 48	42,803 57	2 39
Plummer Memorial Hospital	Sault Ste. Marie	13,997	1,979 05	7,143 66	27,839 98	34,983 64	2 50
Norfolk General Hospital	Simcoe	19,605		8,400 15	48,267 29	56,667 44	2 89
Smith's Falls Public Hosp.	Smith's Falls	13,194		7,422 06	25,475 29	32,897 35	2 49
Welland County General	Welland	19,572		10,054 31	50,205 45	60,259 76	3 08
Totals		434,646	40,890 68	254,601 23	921,798 36	1,176,399 59	2 71
GROUP 4 Capacity, 101 to 200 Beds							
Belleville General Hospital	Belleville	41,398		21,178 96	85,282 22	106,461 18	2 57
Brockville General Hospital	Brockville	25,022		18,283 44	56,908 92	75,192 36	3 01
Public General Hospital	Chatham	25,479	2,888 38	20,020 38	56,245 48	76,265 86	2 99
St. Joseph's Hospital	Chatham	24,645		12,823 05	48,993 84	61,816 89	2 51
Cornwall General Hospital	Cornwall	20,639	349 37	16,804 16	52,250 97	69,055 13	3 35
Hotel Dieu Hospital	Cornwall	37,304	7,865 70	18,957 83	54,787 20	73,745 03	1 98
Guelph General Hospital	Guelph	25,562		21,420 56	73,023 56	94,444 12	3 69
St. Joseph's Hospital	Guelph	27,172		23,243 99	58,570 11	81,814 10	3 01
St. Joseph's Hospital	Hamilton	48,815		34,899 69	94,911 16	129,810 85	2 66
Kitchener-Waterloo Hospital	Kitchener	27,605	1,770 41	22,294 21	88,613 12	110,907 33	4 02
St. Mary's Hospital	Kitchener	26,400		22,806 67	57,777 59	80,584 26	3 05
Niagara Falls General Hosp.	Niagara Falls	25,723		15,086 29	61,850 31	76,936 60	2 99
General and Marine Hosp.	Owen Sound	19,596	880 00	12,490 49	55,105 00	67,595 49	3 45
Pembroke General Hospital	Pembroke	21,052	11,608 00	10,725 33	46,536 79	57,262 12	2 72
General Hosp. of P. Arthur	Port Arthur	31,159	36,737 68	17,510 39	66,205 07	83,715 46	2 69
St. Joseph's General Hosp.	Port Arthur	52,659		26,915 39	91,958 90	118,874 29	2 26
St. Catharines General	St. Catharines	37,627	1,149 99	25,258 97	99,214 42	124,473 39	3 31
Memorial Hospital	St. Thomas	33,105	12,356 92	24,087 08	94,616 12	118,703 20	3 59
Sarnia General Hospital	Sarnia	25,170		18,939 05	64,812 21	83,751 26	3 33
Stratford General Hospital	Stratford	27,557		17,365 75	68,966 97	86,332 72	3 13
St. Mary's Hospital	Timmins	31,046		22,906 24	88,193 76	111,100 00	3 58
Mount Sinai Hospital	Toronto	33,628	856 46	19,817 95	90,458 79	110,276 74	3 28
Salvation Army Grace Hosp.	Toronto	20,945		11,508 71	47,348 51	58,857 22	2 81
Toronto East General	Toronto	57,334		41,007 12	160,102 97	201,110 09	3 51
Wellesley Hospital Limited	Toronto	29,467	11,345 04	40,053 96	107,848 86	147,902 82	5 02
Women's College Hospital	Toronto	49,713	7,188 56	28,432 61	135,033 34	163,465 95	3 29
Metropolitan General Hosp	Windsor	34,658		19,392 94	139,469 45	158,862 39	4 58
Salvation Army Grace Hosp.	Windsor	34,123		21,824 91	80,742 39	102,567 30	3 01
Woodstock General Hosp.	Woodstock	21,344	281 25	13,448 09	57,345 77	70,793 86	3 32
Totals		915,947	95,277 76	619,504 21	2,283,173 80	2,902,678 01	3 17
GROUP 5 Capacity, 201 Beds and Over							
Brantford General Hospital	Brantford	51,303		30,823 09	131,375 84	162,198 93	3 16
McKellar General Hospital	Fort William	58,685	21,524 65	26,265 44	104,316 21	130,581 65	2 23
Hamilton General (including Mt. Hamilton Branch)	Hamilton	190,588	47,347 90	107,792 17	505,240 09	613,032 26	3 22
Hotel Dieu Hospital	Kingston	39,984		24,415 45	83,135 22	107,550 67	2 69
Kingston General Hospital	Kingston	77,199	5,400 00	59,378 82	207,112 44	266,491 26	3 45
St. Joseph's Hospital	London	68,614	20,450 00	48,406 26	152,118 34	200,524 60	2 92
Victoria Hospital	London	126,888	42,677 62	74,188 89	328,280 90	402,469 79	3 17
Ottawa Civic Hospital	Ottawa	176,188	107,931 14	108,823 10	500,252 96	609,076 06	3 46
Ottawa General Hospital	Ottawa	108,157	34,891 20	47,311 59	237,916 23	285,227 82	2 64
St. Joseph's Hospital	Sudbury	54,143	20,810 88	31,219 26	100,550 83	131,770 09	2 43
Hospital for Sick Children	Toronto	135,226		91,637 68	471,564 55	563,202 23	4 16
St. Joseph's Hospital	Toronto	99,811	22,642 40	57,844 34	205,090 10	262,934 44	2 63
St. Michael's Hospital	Toronto	191,240	54,500 00	118,675 55	475,623 26	594,298 81	3 11
Toronto General Hospital	Toronto	367,728		241,319 51	1,255,887 93	1,497,207 44	4 07
Toronto Western Hospital	Toronto	170,207	18,342 00	123,643 58	595,999 14	719,642 72	4 23
Hotel Dieu Hospital	Windsor	42,060	13,245 12	38,514 68	112,520 20	151,034 88	3 59
Totals		1,958,021	409,762 91	1,230,259 41	5,466,984 24	6,697,243 65	3 42
GRAND TOTALS:							
Public General Hospitals		3,611,139	555,259 22	2,259,948 61	9,355,004 18	11,614,952 79	3 22
Red Cross Outposts		80,734		46,112 39	226,530 63	272,643 02	3 07
GRAND TOTALS Including Red	Cross	3,691,873	965,022 13	2,306,061 00	9,581,534 81	11,887,595 81	3 21

PUBLIC HOSPITALS (Continued)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Grants from municipalities for building, debentures, etc.	Total income from al' sources other than Government grants
GROUP 1 Capacity, 1 to 25 Beds		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Rosedale War Memorial	Matheson	3,010 60	....	72 04	4,305 00	....	7,387 64
Newnham Cottage Hosp.	Moose Factory	8,217 50	....	....	2,250 00	....	10,467 50
Louise Marshall Hosp.	Mount Forest	6,674 51	711 40	54 00	252 57	....	7,692 48
Cottage Hospital	Niagara-on-Lake	3,429 40	2,401 00	253 87	2,220 53	....	8,304 80
General Hospital	Palmerston	7,472 31	464 25	38 88	1,070 00	....	9,045 44
General Hospital	Penetanguishene	4,504 03	3,214 13	502 05	230 56	....	8,450 77
General Hospital	Wingham	10,281 02	1,744 55	59 62	123 00	....	12,208 19
Totals	....	43,589 37	8,535 33	980 46	10,451 66	....	63,556 82
GROUP 2 Capacity, 26 to 50 Beds							
Stevenson Memorial	Alliston	15,415 79	3,164 80	14,782 10	....	....	33,362 69
Rosamond Memorial	Almonte	9,846 59	1,541 45	1,897 13	3,303 28	....	16,588 45
Bowmanville Hospital	Bowmanville	10,496 79	2,010 50	999 34	76 10	....	13,582 73
Lady Minto Hospital	Chapleau	14,707 71	....	709 02	....	....	15,416 73
Public Hospital	Clinton	12,048 51	1,439 14	233 86	200 00	....	13,921 51
Cobalt Municipal Hosp.	Cobalt	5,081 90	1,330 63	....	....	....	6,412 53
Haldimand War Memorial	Dunnville	9,134 75	2,948 50	605 66	113 47	....	12,802 38
Red Cross Memorial Hosp.	Durham	5,830 30	1,890 81	32 67	400 00	....	8,153 78
Groves Memorial Hosp	Fergus	15,749 28	5,707 90	....	190 75	....	21,647 93
Douglas Memorial Hosp.	Fort Erie	18,711 16	6,395 20	1,514 94	2,130 97	....	28,752 27
Alexandra Marine & Gen.	Goderich	19,102 71	3,761 60	1,943 40	5,426 00	....	30,233 71
Misericordia Hospital	Haileybury	14,832 23	1,731 05	3,866 06	2,958 97	....	23,388 31
Hanover Memorial Hosp.	Hanover	6,454 90	2,437 61	153 76	165 65	....	9,211 92
Notre Dame Hospital	Hawkesbury	4,999 56	7,222 80	173 03	6,610 26	....	19,005 65
St. Paul's Hospital	Hearst	7,179 00	140 00	....	1,727 80	....	9,046 80
Alexandra Hospital	Ingersoll	11,220 73	2,050 00	1,309 84	958 02	....	15,538 59
Anson General Hospital	Iroquois Falls	18,887 45	3,152 13	....	....	....	22,039 58
Kincardine General	Kincardine	10,450 61	4,000 00	520 71	30 35	....	15,001 67
Memorial Hospital	Listowel	10,822 38	2,792 50	247 56	137 12	....	13,999 56
General Hospital	Mattawa	3,358 78	7,284 19	1,165 73	4,893 81	....	16,702 51
St. Andrew's Hospital	Midland	15,221 54	6,253 95	1,504 73	582 98	....	23,563 20
York County Hospital	Newmarket	22,603 78	8,318 60	35 00	299 00	....	31,256 38
Queen Victoria Memorial	North Bay	24,808 33	9,502 50	2 41	616 30	3,061 21	37,990 75
Lord Dufferin Hospital	Orangeville	15,602 19	5,485 20	313 03	638 50	....	22,038 92
Willett Hospital	Paris	12,008 09	5,745 59	272 17	706 24	....	18,732 09
Parry Sound General	Parry Sound	12,829 97	3,360 20	....	464 63	....	16,654 80
Charlotte E. Englehart	Petrolia	17,728 20	2,617 55	6,075 00	116 00	....	26,536 75
Prince Edward County	Picton	14,483 12	4,253 35	842 77	925 01	....	20,504 25
Scott Memorial Hosp.	Seaforth	14,969 26	1,752 35	448 27	....	....	17,169 88
General Hospital	Sioux Lookout	15,725 46	768 55	612 13	1,600 01	....	18,706 15
St. Francis General	Smith's Falls	19,513 34	3,128 75	....	9,642 66	....	32,284 75
Porcupine General Hosp	S. Porcupine	38,520 23	610 85	1,082 25	2,239 28	....	42,452 61
Strathroy General Hosp.	Strathroy	15,699 89	5,413 65	455 77	854 34	....	22,423 65
St. Jean de Brebeuf	Sturgeor Falls	7,819 17	12,509 15	69 35	76 85	....	20,474 52
Soldiers' Memorial	Tillsonburg	25,597 47	7,808 30	3,882 97	2,660 38	....	39,949 12
Lockwood Clinic Hosp.	Toronto	33,410 00	574 00	....	....	....	33,984 00
Mothercraft Hospital	Toronto	2,536 90	4,000 50	6 00	165 45	....	6,708 85
County of Bruce Gen.	Walkerton	10,829 74	3,800 00	285 80	7,174 07	....	22,089 61
Totals	....	544,237 81	146,903 85	46.042 46	58,084 25	3,061 21	798,329 58
GROUP 3 Capacity, 51 to 100 Beds							
Royal Victoria Hospital	Barrie	32,437 62	8,665 90	804 55	518 50	....	42,426 57
Peel Memorial Hospital	Brampton	25,508 03	3,786 85	14 41	....	....	29,309 29
St. Vincent de Paul	Brockville	43,889 19	7,561 50	281 07	33,067 41	....	84,799 17
Cobourg General Hosp.	Cobourg	15,705 93	3,944 10	745 36	1,318 79	....	21,714 18
Lady Minto Hospital	Cochrane	22,678 22	5,369 10	305 09	249 41	....	28,601 82
General and Marine	Collingwood	31,235 30	10.049 05	1,144 24	831 17	....	43,259 76
Galt General Hospital	Galt	46,604 15	14,950 25	1,767 06	9,969 87	11,055 52	84,346 85
Kenora General Hosp.	Kenora	25,095 25	8,301 29	34 50	1,450 11	2,500 00	37,381 15
St. Joseph's Hospital	Kenora	16,257 56	4,991 86	180 00	5,118 04	....	26,547 46
Ross Memorial Hospital	Lindsay	35,724 05	6,856 10	1,671 62	....	....	44,251 77
St. Joseph's General	North Bay	28,402 60	12,123 90	184 14	15.089 32	....	55,799 96
Orillia Soldiers' Memorial	Orillia	45,512 85	9,417 70	693 27	....	....	55,623 82
Oshawa General Hosp.	Oshawa	61,532 96	10,509 30	8,964 88	325 84	....	81,332 98
Protestant Children's	Ottawa	3,940 20	14,949 50	160 06	11,440 15	....	30.489 91
Salvation Army Grace	Ottawa	33,587 24	10,472 50	3,015 59	68 20	....	47,143 53
St. Joseph's General	Parry Sound	15,051 37	2,609 30	95 33	5,258 64	....	23,014 64
Cottage Hospital	Pembroke	32,036 99	4,542 30	2,127 57	....	....	38,706 86
Great War Memorial	Perth	32,435 11	2,882 15	2,109 75	244 10	....	37.671 11

PUBLIC HOSPITALS (Continued)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Grants from municipalities for building, debentures, etc.	Total income from all sources other than Government grants
Group 3 (Continued)		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Nicholls Hospital	Peterborough	65,872 14	7.765 50	12,898 12			86.535 76
St. Joseph's Hospital	Peterborough	39,061 10	7,820 45		10.248 00		57,129 55
Port Hope Hospital	Port Hope	16.941 47	3.655 05	3.403 91	4.661 72		28,662 15
Victoria Hospital	Renfrew	16.588 52	10,059 05	209 01			26,856 58
General Hospital	Sault Ste. Marie	35.806 92	511 75	3 01	7,911 59		44.233 27
Plummer Memorial	Sault Ste. Marie	32,728 44	5,093 90	108 87			37,931 21
Norfolk General Hosp.	Simcoe	39,953 08	13,421 00	1,456 94	3,804 71		58,635 73
Smith's Falls Public	Smith's Falls	21,770 63	8,295 50	1,317 06	2,114 92		33,498 11
Welland County Hosp.	Welland	51,409 70	12,881 45	59 70	4,955 00		69,305 85
Totals		867,766 62	211,486 30	43.755 11	118,645 49	13,555 52	1,255,209 04
GROUP 4 Capacity, 101 to 200 Beds							
Belleville General Hosp.	Belleville	80,745 53	35,715 23	2,145 53	1,189 50		119,795 79
Brockville General Hosp.	Brockville	61,779 49	14,665 17	1,593 03	3,987 76		82,025 45
Public General Hospital	Chatham	67,430 50	7,913 35	2,483 25	11,586 19	17,000 00	106,413 29
St. Joseph's Hospital	Chatham	63.581 86	10.875 31	1,482 15	21,144 83		97,084 15
Cornwall General Hosp.	Cornwall	45,791 14	12.040 85	5,535 68	2,508 04		65,875 71
Hotel Dieu Hospital	Cornwall	36,676 48	38,706 40	41 46	9,660 52		85,084 86
Guelph General Hospital	Guelph	70.007 05	19,024 30	773 76	911 93		90,717 04
St. Joseph's Hospital	Guelph	56,181 20	10,912 45	1,898 59	12,132 69		81,124 93
St. Joseph's Hospital	Hamilton	104.420 95	23,827 00	995 24	4,532 00		133,775 19
Kitchener-Waterloo	Kitchener	94.866 69	39,266 07	839 62	2,029 76	*352 00	137,354 14
St. Mary's Hospital	Kitchener	74.978 68	16.440 47	758 53	11,047 94		103,225 62
Niagara Falls General	Niagara Falls	67,772 86	19,946 53	321 71	1.602 88		89,643 98
General and Marine	Owen Sound	59,677 57	8,756 55	38 22	7,349 19		75,821 53
Pembroke General Hosp.	Pembroke	38.038 35	12,242 30	130 32	14,630 03		65.041 00
Gen. Hosp. of P. Arthur	Port Arthur	84,385 85	15,017 25	1,145 41	412 50		100,961 01
St. Joseph's General	Port Arthur	92,122 66	13,500 00		15,279 38		120,902 04
St. Catharines General	St. Catharines	77,157 09	32,383 15	4.772 77	4,624 57	*1,803 50	120,741 08
Memorial Hospital	St. Thomas	87,242 86	28,468 40	3,930 01	163 26	12,356 92	132,161 45
Sarnia General Hosp.	Sarnia	63,729 76	16.701 86	2,904 30	1,169 50		84,505 42
Stratford General Hosp.	Stratford	65.587 26	12,541 70	739 08	1,060 00		79,928 04
St. Mary's Hospital	Timmins	98,432 50	7.816 25	3,602 54	17,266 40		127,117 69
Mount Sinai Hospital	Toronto	71,121 06	24.946 98		19,392 37		115,460 41
Salvation Army Grace	Toronto	42,255 02	6,310 60	2,500 98	367 19		51,433 79
Toronto East General	Toronto	124,337 44	44.740 52	290 36	2,248 10		171,616 42
Wellesley Hospital, Ltd.	Toronto	162,194 41	2,430 95	899 45			165,524 81
Women's College Hosp.	Toronto	106,975 79	37,630 29		3,431 53	*2,528 25	150,565 86
Metropolitan General	Windsor	94,563 58	27,142 25	753 89	493 20	*7,315 00	130,267 92
Salvation Army Grace	Windsor	71,730 17	20,439 19	338 05	2,364 04		94,871 45
Woodstock General	Woodstock	51,119 50	10,284 20	1,448 36	2,554 13		65,406 19
Totals		2,214.903 30	570,685 57	42,362 29	175,139 43	41,355 67	3,044,446 26
GROUP 5 Capacity, 201 Beds and Over							
Brantford General Hosp.	Brantford	83,679 48	51,351 97	1,942 25	1,044 32	*922 25	138,940 27
McKellar General Hosp.	Fort William	126,066 12	37,451 94	100 00	90 00	*1,925 45	165,633 51
Hamilton General (incl. Mt. Hamilton Branch)	Hamilton	274,596 59	318,908 07			84,583 71	678,088 37
Hotel Dieu Hospital	Kingston	62,127 39	30,115 29	2,726 03	23,170 35		118,139 06
Kingston General Hosp.	Kingston	154,225 99	71,662 37	26,847 07	2,319 35	*9,869 25	264,924 03
St. Joseph's Hospital	London	180,570 58	36,260 65	4,061 85	50,287 95		271,181 03
Victoria Hospital	London	234,059 93	112,266 66	1,559 69		42,677 62 *11,125 75	401,689 65
Ottawa Civic Hospital	Ottawa	378,972 05	268,941 28	9,513 48	3,099 85	*8,000 00	668,526 66
Ottawa General Hosp.	Ottawa	172,900 54	102,869 06	2,908 89	51,392 17	*2,000 00	332,070 66
St. Joseph's Hospital	Sudbury	127,272 81	17,072 60	1,481 33	31,484 12		177,310 86
Hosp. for Sick Children	Toronto	140,779 98	192,637 47	72,618 98	58,320 08	*9,682 85	474,039 36
St. Joseph's Hospital	Toronto	157,784 34	95,493 81		26,640 86		279,919 01
St. Michael's Hospital	Toronto	339,360 14	207,929 24	3,361 97	68,723 07	*6,808 75	626,183 17
Toronto General Hosp.	Toronto	999,605 13	304,004 32	76,541 36	8,596 00	*6,526 50	1,395,273 31
Toronto Western Hosp.	Toronto	479,539 58	152,610 06	12,074 92	241 05	*5,706 75	650,172 36
Hotel Dieu Hospital	Windsor	130.889 14	21,354 90	766 45	60,461 21	25,000 00	238,471 70
Totals		4.042,429 79	2,020,929 69	216,504 27	385,870 38	214,828 88	6,880,563 01
GRAND TOTALS:							
Public General Hospitals		**7,712,926 89**	**2,958,540 74**	**349,644 59**	**748,191 21**	**†272,801 28**	**12,042,104 71**
Red Cross Outposts		**187,951 12**	**15,489 68**	**2,316 14**	**38,074 04**		**243,830 98**
GRAND TOTALS Including Red Cross		**7,900,878 01**	**2,974,030 42**	**351,960 73**	**786,265 25**	**†272,801 28**	**12,285,935 69**

*Grants from Province for special clinics, radiotherapy and poliomyelitis.

†Includes grants from Province for special clinics, radiotherapy and poliomyelitis amounting to $74,566.30.

PUBLIC HOSPITALS (Continued)

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Days at 10c.	Infants born days at 30c.	Total per diem grant	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
GROUP 1 Capacity, 1 to 25 Beds					$ c.	$ c.	$ c.	$ c.
Rosedale War Memorial	Matheson	1,930		459	1,295 70	2,380 70	46 05	3,630 35
Newnham Cottage	Moose Factory	195			117 00	297 00		414 00
Louise Marshall Hosp.	Mount Forest	1,104		231	731 70		15 60	716 10
Cottage Hospital	Niagara-on-Lake	1,684	25	225	1,080 40			1,080 40
General Hospital	Palmerston	2,214	8	98	1,358 60		25 80	1,332 80
General Hospital	Penetanguishene	2,068		354	1,347 00		42 90	1,304 10
General Hospital	Wingham	207		41	136 50			136 50
Totals		9,402	33	1,408	6,066 90	2,677 70	130 35	8,614 25
GROUP 2 Capacity, 26 to 50 Beds								
Stevenson Memorial	Alliston	1,801	250	114	1,139 80		16 20	1,123 60
Rosamond Memorial	Almonte	2,213	1	675	1,530 40		9 30	1,521 10
Bowmanville Hospital	Bowmanville	2,006	362	543	1,402 70		13 20	1,389 50
Lady Minto Hospital	Chapleau	2,300	232	237	1,474 30	3,400 40		4,874 70
Public Hospital	Clinton	1,317		291	877 50		155 70	721 80
Cobalt Municipal Hosp.	Cobalt	974	101	24	601 70		18 60	583 10
Haldimand War Mem.	Dunnville	1,399		289	926 10		59 70	866 40
Red Cross Memorial	Durham	1,011	781	240	756 70		47 40	709 30
Groves Memorial Hosp.	Fergus	1,753	1,334	67	1,205 30		10 80	1,194 50
Douglas Memorial	Fort Erie	1,065	11	75	662 60			662 60
Alexandra Marine & Gen.	Goderich	3,397	757	547	2,278 00		133 80	2,144 20
Misericordia Hospital	Haileybury	4,044	380	69	2,485 10	1,954 80	21 20	4,418 70
Hanover Memorial	Hanover	1,583	481	207	1,060 00		32 40	1,027 60
Notre Dame Hospital	Hawkesbury	4,943		123	3,002 70		3 60	2,999 10
St. Paul's Hospital	Hearst	11,267	548	1,305	7,206 50	16,268 30	151 20	23,323 60
Alexandra Hospital	Ingersoll	2,042	311	412	1,379 90		103 80	1,276 10
Anson General Hosp.	Iroquois Falls	1,491		120	930 60	1,408 05		2,338 65
Kincardine General	Kincardine	1,172	648	78	791 40		47 40	744 00
Memorial Hospital	Listowel	817		91	517 50		16 80	500 70
General Hospital	Mattawa	3,832	888	377	2,501 10	4,155 80	134 10	6,522 80
St. Andrew's Hospital	Midland	5,260	1,243	872	3,541 90	503 10	135 00	3,910 00
York County Hospital	Newmarket	3,881	831	507	2,563 80		136 50	2,427 30
Queen Victoria Mem.	North Bay	3,301	1,194	157	2,147 10	757 85	42 30	2,862 65
Lord Dufferin Hospital	Orangeville	2,670	22	177	1,657 30	44 80	114 90	1,587 20
Willett Hospital	Paris	3,684	742	638	2,476 00		60 60	2,415 40
Parry Sound General	Parry Sound	4,104	142	536	2,637 40	1,446 55	235 20	3,848 75
Charlotte E. Englehart	Petrolia	1,437	3	74	884 70		21 60	863 10
Prince Edward County	Picton	3,989	176	954	2,697 20		42 30	2,654 90
Scott Memorial Hosp.	Seaforth	1,363	319	48	864 10		50 40	813 70
General Hospital	Sioux Lookout	1,076	2	74	668 00	1,111 90	34 40	1,745 50
St. Francis General	Smith's Falls	3,183	1,098	278	2,103 00		3 60	2,099 40
Porcupine General	S. Porcupine	653	17	52	409 10	430 20	4 20	835 10
Strathroy General	Strathroy	3,231	432	230	2,050 80		6 00	2,044 80
St. Jean de Brebeuf	Sturgeon Falls	8,760	31	202	5,319 70	1,601 50	87 60	6,833 60
Soldiers' Memorial	Tillsonburg	3,104	113	237	1,944 80		15 00	1,929 80
Lockwood Clinic Hosp.	Toronto	378			226 80	16 05	9 60	233 25
Mothercraft Hospital	Toronto	2,971	597		1,842 30			1,842 30
County of Bruce Gen.	Walkerton	3,072	438	377	2,000 10		150 00	1,850 10
Totals		106,544	14,485	11,297	68,764 00	33,099 30	2,124 40	99,738 90
GROUP 3 Capacity, 51 to 100 Beds								
Royal Victoria Hosp.	Barrie	5,793	632	421	3,665 30		5 40	3,659 90
Peel Memorial Hosp.	Brampton	1,329		211	860 70		31 20	829 50
St. Vincent de Paul	Brockville	5,367	1,003	491	3,467 80		132 60	3,335 20
Cobourg General Hosp.	Cobourg	4,147		872	2,749 80		58 20	2,691 60
Lady Minto Hospital	Cochrane	8,212	1,383	603	5,246 40	8,877 85	187 65	13,936 60
General and Marine	Collingwood	8,064	630	723	5,118 30		141 00	4,977 30
Galt General Hospital	Galt	7,012	1,189	398	4,445 50		160 50	4,285 00
Kenora General Hosp.	Kenora	4,068	2,888	730	2,948 60	588 90	20 40	3,517 10
St. Joseph's Hospital	Kenora	4,024	3,181	639	2,924 20	2,447 95	15 60	5,356 55
Ross Memorial Hosp.	Lindsay	7,287	160	1,380	4,802 20		52 80	4,749 40
St. Joseph's General	North Bay	8,905	1,049	712	5,661 50	1,238 30	42 60	6,857 20
Orillia Soldiers' Mem.	Orillia	11,490	398	1,237	7,304 90		208 20	7,096 70
Oshawa General Hosp.	Oshawa	6,306	436	606	4,009 00		35 70	3,973 30
Protestant Children's	Ottawa	9,871	13		5,923 90		35 40	5,888 50
Salvation Army Grace	Ottawa	10,328	66	7,033	8,313 30		170 70	8,142 60
St. Joseph's General	Parry Sound	5,513	932	742	3,623 60	3,608 35	99 75	7,132 20

PUBLIC HOSPITALS (Continued)

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Days at 10c.	Infants born days at 30c.	Total per diem grant	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
Group 3 (Continued)					$ c.	$ c.	$ c.	$ c.
Cottage Hospital	Pembroke	5,479	1,334	280	3,504 80	119 00	52 80	3,571 00
Great War Memorial	Perth	2,867	106	303	1,821 70	...	21 60	1,800 10
Nicholls Hospital	Peterborough	8,931	1,901	1,411	5,972 00	...	498 30	5,473 70
St. Joseph's Hospital	Peterborough	11,435	221	1,833	7,433 00	...	40 20	7,392 80
Port Hope Hospital	Port Hope	3,901	715	600	2,592 10	...	12 00	2,580 10
Victoria Hospital	Renfrew	6,358	672	632	4,071 60	49 00	26 10	4,094 50
General Hospital	Sault Ste. Marie	7,395	1,775	816	4,859 30	1,673 15	40 80	6,491 65
Plummer Memorial	Sault Ste. Marie	10,322	1,554	136	6,389 40	1,209 05	16 70	7,581 75
Norfolk General Hosp.	Simcoe	7,173	587	996	4,661 30	...	66 00	4,595 30
Smith's Falls Public	Smith's Falls	5,267	1,985	702	3,569 30	...	57 60	3,511 70
Welland County Hosp.	Welland	4,222	384	361	2,679 90	...	1 80	2,678 10
Totals	...	181,066	25,194	24,868	118,619 40	19,811 55	2,231 60	136,199 35
GROUP 4 Capacity, 101 to 200 Beds								
Belleville General Hosp.	Belleville	21,065	705	1,526	13,167 30	57 40	574 80	12,649 90
Brockville General Hosp.	Brockville	8,841	1,563	612	5,644 50	...	122 40	5,522 10
Public General Hosp.	Chatham	7,860	1,399	1,165	5,205 40	...	...	5,205 40
St. Joseph's Hospital	Chatham	8,161	41	1,199	5,260 40	...	288 60	4,971 80
Cornwall General Hosp	Cornwall	8,737	620	714	5,518 40	...	61 20	5,457 20
Hotel Dieu Hospital	Cornwall	24,730	1,517	2,596	15,768 50	...	210 00	15,558 50
Guelph General Hosp.	Guelph	9,170	1,454	806	5,889 20	...	154 80	5,734 40
St. Joseph's Hospital	Guelph	12,814	1,376	1,167	8,176 10	...	69 60	8,106 50
St. Joseph's Hospital	Hamilton	15,242	948	955	9,526 50	...	78 00	9,448 50
Kitchener-Waterloo	Kitchener	7,573	293	275	4,655 60	...	19 80	4,635 80
St. Mary's Hospital	Kitchener	7,612	1,594	339	4,828 30	...	62 40	4,765 90
Niagara Falls General	Niagara Falls	7,226	1,772	786	4,748 60	...	...	4,748 60
General and Marine	Owen Sound	4,653	502	325	2,939 50	...	30 60	2,908 90
Pembroke General	Pembroke	9,027	2,432	543	5,822 30	369 60	54 60	6,137 30
Gen. Hosp. of P. Arthur	Port Arthur	25,132	3,185	1,395	15,816 20	4,711 20	23 40	20,504 00
St. Joseph's General	Port Arthur	26,615	7,545	2,430	17,452 50	10,266 65	473 28	27,245 87
St. Catharines General	St. Catharines	16,229	560	1,371	10,204 70	...	79 80	10,124 90
Memorial Hospital	St. Thomas	12,504	1,141	1,504	8,067 70	...	63 00	8,004 70
Sarnia General Hosp.	Sarnia	6,742	736	798	4,358 20	...	157 80	4,200 40
Stratford General	Stratford	10,043	103	1,316	6,430 90	...	74 40	6,356 50
St. Mary's Hospital	Timmins	5,722	518	212	3,548 60	1,463 70	7 80	5,004 50
Mount Sinai Hospital	Toronto	14,717	401	691	9,077 60	...	63 60	9,014 00
Salvation Army Grace	Toronto	3,475	...	2,040	2,697 00	15 40	9 00	2,703 40
Toronto East General	Toronto	33,756	1,881	2,099	21,071 40	...	16 20	21,055 20
Wellesley Hospital, Ltd	Toronto	2,623	95	22	1,589 90	...	115 80	1,474 10
Women's College Hosp.	Toronto	21,908	18	5,692	14,854 20	...	41 70	14,812 50
Metropolitan General	Windsor	12,247	892	250	7,512 40	...	193 80	7,318 60
Salvation Army Grace	Windsor	10,118	1,560	917	6,501 90	...	180 30	6,321 60
Woodstock General	Woodstock	7,594	2,162	901	5,042 90	...	19 00	5,023 90
Totals	...	362,136	37,013	34,646	231,376 70	16,883 95	3,245 68	245,014 97
GROUP 5 Capacity, 201 Beds and Over								
Brantford General Hosp.	Brantford	27,329	849	3,551	17,547 60	...	252 50	17,295 10
McKellar General Hosp	Fort William	24,444	15,172	2,371	16,894 90	12,610 20	567 40	28,937 70
Hamilton General (incl. Mt. Hamilton Branch)	Hamilton	101,603	3,663	10,642	64,520 70	...	429 50	64,091 20
Hotel Dieu Hospital	Kingston	20,774	617	1,798	13,065 50	...	366 80	12,698 70
Kingston General Hosp	Kingston	35,556	3,673	2,121	22,337 20	1,462 20	820 80	22,978 60
St. Joseph's Hospital	London	24,277	801	1,912	15,219 90	120 00	31 80	15,308 10
Victoria Hospital	London	67,555	5,435	2,351	41,781 80	...	362 20	41,419 60
Ottawa Civic Hospital	Ottawa	88,102	2,245	5,783	54,820 60	261 05	145 80	54,935 85
Ottawa General Hosp.	Ottawa	65,237	449	2,433	39,917 00	603 90	147 60	40,373 30
St. Joseph's Hospital	Sudbury	24,595	472	2,641	15,596 50	8,091 70	37 20	23,651 00
Hosp. for Sick Children	Toronto	106,484	11,769	...	65,067 30	3,935 40	919 80	68,082 90
St. Joseph's Hospital	Toronto	59,778	3,880	3,625	37,342 30	57 40	273 50	37,126 20
St. Michael's Hospital	Toronto	112,506	3,162	6,972	69,911 40	912 75	823 40	70,000 75
Toronto General Hosp.	Toronto	198,544	6,429	10,206	122,831 10	9,539 54	390 70	131,979 94
Toronto Western Hosp.	Toronto	79,570	2,447	5,453	49,622 60	263 20	422 70	49,463 10
Hotel Dieu Hospital	Windsor	12,234	1,539	542	7,656 90	...	281 40	7,375 50
Totals	...	1,048,588	62,602	62,401	654,133 30	37,857 34	6,273 10	685,717 54
GRAND TOTALS:								
Public General Hospitals	...	**1,707,736**	**139,327**	**134,620**	**1,078,960 30**	**110,329 84**	**14,005 13**	**1,175,285 01**
Red Cross Outposts	...	**32,193**	**1,892**	**7,406**	**21,726 80**	**12,870 75**	**452 60**	**34,144 95**
GRAND TOTALS Including Red Cross		**1,739,929**	**141,219**	**142,026**	**1,100,687 10**	**123,200 59**	**14,457 73**	**1,209,429 96**

PUBLIC HOSPITALS (Continued)

TABLE No. VI.—Showing days upon which grant was paid for: (1) long-stay patients in hospitals one year or more and still in residence at September 30th, 1939; (2) indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	Long-Stay Patients				Indigents from Unorganized Territory									
								Less							
		No. of patients	Days at 60c.	Days at 10c.	Amount	No. of patients	Days at $2.00	Days at 60c.	Days at 10c.	Amount	No. of infants	Days at $1.00	Less days at 30c.	Amount	Total for Indigents
GROUP 1															
Capacity, 1 to 25 Beds					$ c.					$ c.				$ c.	$ c.
Rosedale War Memorial Hospital	Matheson					104	1,530	1,562		2,122 80	40	369	370	258 00	2,380 70
Newnham Cottage Hospital	Moose Factory					6	207	195		297 00					297 00
Louise Marshall Hospital	Mount Forest														
Cottage Hospital	Niagara-on-the-Lake														
General Hospital	Palmerston														
General Hospital	Penetanguishene														
General Hospital	Wingham														
Totals						110	1,737	1,757		2,419 80	40	369	370	258 00	2,677 70
GROUP 2															
Capacity, 26 to 50 Beds															
Stevenson Memorial Hospital	Alliston	1	120	87	80 70										
Rosamond Memorial Hospital	Almonte														
Bowmanville Hospital	Bowmanville	1	120	340	106 00										
Lady Minto Hospital	Chapleau					80	2,261	2,029	232	3,281 40	16	170	170	119 00	3,400 40
Public Hospital	Clinton														
Cobalt Municipal Hospital	Cobalt														
Haldimand War Memorial Hospital	Dunnville														
Red Cross Memorial Hospital	Durham	2		730	73 00										
Groves Memorial Hospital	Fergus	1	120	592	131 20										
Douglas Memorial Hospital	Fort Erie														
Alexandra Marine & General Hospital	Goderich	1		365	36 50										
Misericordia Hospital	Haileybury	1		365	36 50	57	1,213	833	15	1,924 70	4	43	43	30 10	1,954 80
Hanover Memorial Hospital	Hanover	1		365	36 50										
Notre Dame Hospital	Hawkesbury														
St. Paul's Hospital	Hearst					586	10,764	10,034	547	15,452 90	109	1,164	1,162	815 40	16,268 30
Alexandra Hospital	Ingersoll														
Anson General Hospital	Iroquois Falls					56	936	902		1,330 80	11	110	109	77 30	1,408 05
Kincardine General Hospital	Kincardine	1		365	36 50										
Memorial Hospital	Listowel														
General Hospital	Mattawa	1		365	36 50	16	2,187	364		4,155 60					4,155 80
St. Andrew's Hospital	Midland	3		1,095	109 50	24	336	335		471 00	4	46	46	32 20	503 10
York County Hospital	Newmarket	2	240	831	227 10										
Queen Victoria Memorial Hospital	North Bay	1	120	604	132 40	19	519	485	32	743 80	2	20	20	14 00	757 85
Lord Dufferin Hospital	Orangeville					2	25	25		35 00	1	14	14	9 80	44 80
Willett Hospital	Paris	1		365	36 50										
Parry Sound General Hospital	Parry Sound					62	934	839	97	1,354 90	14	131	131	91 70	1,446 55
Charlotte E. Englehart Hospital	Petrolia														
Prince Edward County Hospital	Picton														
Scott Memorial Hospital	Seaforth														

General Hospital	Sioux Lookout					35	772	770	2	1,081 80	5	43	43	30 10	1,111 90
St. Francis General Hospital	Smith's Falls	2	120	920	164 00										
Porcupine General Hospital	South Porcupine					9	294	273	17	422 50	1	11	11	7 70	430 20
Strathroy General Hospital	Strathroy														
St. Jean de Brebeuf Hospital	Sturgeon Falls					68	1,105	1,094	11	1,552 50	8	70	70	49 00	1,601 50
Soldiers' Memorial Hospital	Tillsonburg														
Lockwood Clinic Hospital	Toronto					1	12	13		16 20					16 05
Mothercraft Hospital	Toronto	1	120	347	106 70										
County of Bruce General Hospital	Walkerton														
Totals		20	960	7,736	1,349 60	1,015	21,358	17,996	953	31,823 10	175	1,822	1,819	1,276 30	33,099 30
GROUP 3															
Capacity, 51 to 100 Beds															
Royal Victoria Hospital	Barrie	1	120	366	108 60										
Peel Memorial Hospital	Brampton														
St. Vincent de Paul Hospital	Brockville	2	120	741	146 10										
Cobourg General Hospital	Cobourg														
Lady Minto Hospital	Cochrane	1		365	36 50	282	5,924	5,298	644	8,604 80	39	390	390	273 00	8,877 85
General and Marine Hospital	Collingwood	1		365	36 50										
Galt General Hospital	Galt	2		730	73 00										
Kenora General Hospital	Kenora	5	360	2,171	433 10	25	401	402		560 80	4	40	40	28 00	588 90
St. Joseph's Hospital	Kenora	5	360	2,132	429 20	30	1,332	363	269	2,419 30	5	41	41	28 70	2,447 95
Ross Memorial Hospital	Lindsay														
St. Joseph's General Hospital	North Bay	1	120	605	132 50	55	870	874	4	1,215 20	3	33	33	23 10	1,238 30
Orillia Soldiers' Memorial Hospital	Orillia														
Oshawa General Hospital	Oshawa														
Protestant Children's Hospital	Ottawa														
Salvation Army Grace Hospital	Ottawa														
St. Joseph's General Hospital	Parry Sound	1	120	607	132 70	148	2,307	1,914		3,465 60	20	204	204	142 80	3,608 35
Cottage Hospital	Pembroke	1	120	576	129 60	4	85	85		119 00					119 00
Great War Memorial Hospital	Perth														
Nicholls Hospital	Peterborough	3	120	1,076	179 60										
St. Joseph's Hospital	Peterborough														
Port Hope Hospital	Port Hope	1		365	36 50										
Victoria Hospital	Renfrew	1		365	36 50	4	35	35		49 00					49 00
General Hospital	Sault Ste. Marie	2	120	726	144 60	52	1,145	1,106	28	1,623 60	7	69	65	49 50	1,673 15
Plummer Memorial Hospital	Sault Ste. Marie	3	360	1,187	334 70	51	832	832		1,164 80	8	63	62	44 40	1,209 05
Norfolk General Hospital	Simcoe	1	120	553	127 30										
Smith's Falls Public Hospital	Smith's Falls	4	240	1,771	321 10										
Welland County Hospital	Welland														
Totals		35	2,280	14,701	2,838 10	651	12,931	10,909	945	19,222 10	86	840	835	589 50	19,811 55
GROUP 4															
Capacity, 101 to 200 Beds															
Belleville General Hospital	Belleville	1	120	253	97 30	2	41	41		57 40					57 40
Brockville General Hospital	Brockville	2		730	73 00										
Public General Hospital	Chatham	2		730	73 00										
St. Joseph's Hospital	Chatham														
Cornwall General Hospital	Cornwall														
Hotel Dieu Hospital	Cornwall	2	120	757	147 70										
Guelph General Hospital	Guelph	1		365	36 50										
St. Joseph's Hospital	Guelph	2	17	365	46 70										
St. Joseph's Hospital	Hamilton														
Kitchener-Waterloo Hospital	Kitchener														
St. Mary's Hospital	Kitchener	3		1,095	109 50										
Niagara Falls General Hospital	Niagara Falls	3		1,095	109 50										
General and Marine Hospital	Owen Sound														
Pembroke General Hospital	Pembroke	5	120	1,832	255 20	9	264	264		369 60					369 60

PUBLIC HOSPITALS (Continued)

TABLE No. VI.—Showing days upon which grant was paid for: (1) long-stay patients in hospitals one year or more and still in residence at September 30th, 1939; (2) indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	Long-Stay Patients				Indigents from Unorganized Territory									
								Less							
		No. of patients	Days at 60c.	Days at 10c.	Amount	No. of patients	Days at $2.00	Days at 60c.	Days at 10c.	Amount	No. of infants	Days at $1.00	Less days at 30c.	Amount	Total for Indigents
Group 4 (Continued)					$ c.					$ c.				$ c.	$ c.
General Hospital of Port Arthur	Port Arthur	3	120	979	169 90	102	3,096	2,474	622	4,645 40	9	94	94	65 80	4,711 20
St. Joseph's General Hospital	Port Arthur	14	600	4,795	839 50	258	6,466	4,802	984	9,952 40	42	449	449	314 30	10,266 65
St. Catharines General Hospital	St. Catharines	1	120	250	97 00										
Memorial Hospital	St. Thomas	1		365	36 50										
Sarnia General Hospital	Sarnia	1		365	36 50										
Stratford General Hospital	Stratford														
St. Mary's Hospital	Timmins	1	120	336	105 60	52	1,019	1,019		1,426 60	5	53	53	37 10	1,463 70
Mount Sinai Hospital	Toronto														
Salvation Army Grace Hospital	Toronto					1	11	11		15 40					15 40
Toronto East General Hospital	Toronto														
Wellesley Hospital, Limited	Toronto														
Women's College Hospital	Toronto														
Metropolitan General Hospital	Windsor														
Salvation Army Grace Hospital	Windsor	3	240	1,211	265 10										
Woodstock General Hospital	Woodstock	4		1,460	146 00										
Totals		49	1,577	16,983	2,644 50	424	10,897	8,611	1,606	16,466 80	56	596	596	417 20	16,883 95
GROUP 5															
Capacity, 201 Beds and Over															
Brantford General Hospital	Brantford	1		365	36 50										
McKellar General Hospital	Fort William	27	960	10,340	1,610 00	188	7,537	4,146	1,463	12,440 10	26	243	243	170 10	12,610 20
Hamilton General (including Mt. Hamilton Branch)	Hamilton														
Hotel Dieu Hospital	Kingston														
Kingston General Hospital	Kingston	7	240	2,732	417 20	3	732			1,462 20					1,462 20
St. Joseph's Hospital	London					1	60			120 00					120 00
Victoria Hospital	London	5	480	2,379	525 90										
Ottawa Civic Hospital	Ottawa					8	173	174		241 60	2	28	28	19 60	261 05
Ottawa General Hospital	Ottawa					11	431	430		604 00					603 90
St. Joseph's General Hospital	Sudbury					362	5,578	5,376	207	7,909 70	23	260	260	182 00	8,091 70
Hospital for Sick Children	Toronto	10	360	3,621	578 10	42	2,427	1,425	636	3,935 40					3,935 40
St. Joseph's Hospital	Toronto	1	120	327	104 70	4	41	41		57 40					57 40
St. Michael's Hospital	Toronto	2	240	663	210 30	17	641	629		904 60	1	12	13	8 10	912 75
Toronto General Hospital	Toronto	5	120	1,857	257 70	156	6,534	5,789	740	9,520 60	2	27	27	18 90	9,539 54
Toronto Western Hospital	Toronto	1	120	361	108 10	8	188	188		263 20					263 20
Hotel Dieu Hospital	Windsor	2	120	893	161 30										
Totals		61	2,760	23,538	4,009 80	800	24,342	18,201	3,046	37,458 80	54	570	571	398 70	37,857 34
GRAND TOTALS															
Public General Hospitals		165	7,577	62,958	10,842 00	3,000	71,265	57,474	6,550	107,390 60	411	4,197	4,191	2,939 70	110,329 84
Red Cross Hospitals		* 1	120	371	109 10	599	8,396	7,790	349	12,083 10	116	1,114	1,087	787 90	12,870 75
GRAND TOTALS Including Red Cross		166	7,697	63,329	10,951 10	3,599	79,661	65,264	6,899	119,473 70	527	5,311	5,278	3,727 60	123,200 59

*Dryden.

NOTE:—Small differences are due to odd amounts paid on account by patients.

RED CROSS OUTPOST HOSPITALS

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence on Oct. 1st, 1938	Patients admitted during year ending Sept. 30th, 1939	No. of live births during year	Total No. of patients treated during year	No. of patients discharged during year	No. of deaths	No. of still-births	Patients remaining in residence on Sept. 30th, 1939
		Adults	Infants								
Red Cross Outpost	Apsley	6	2	1	23	9	33	30	3	....	....
Red Cross Outpost	Armstrong	5	1	1	52	3	56	53	1	....	2
Red Cross Outpost	Atikokan	3	1	....	9	1	10	10	....	....	....
Red Cross Outpost	Bancroft	9	3	3	242	79	324	312	11	3	1
Red Cross Outpost	Blind River	19	3	13	181	35	229	215	8	1	6
Red Cross Outpost	Bracebridge	29	3	12	593	70	675	630	28	3	17
Red Cross Outpost	Coe Hill	6	1	....	38	22	60	57	3	2	....
Red Cross Outpost	Dryden	32	5	16	638	134	788	738	33	2	17
Red Cross Outpost	Emo	10	4	....	162	33	195	193	2	....	....
Red Cross Outpost	Englehart	19	4	11	326	67	404	382	8	2	14
Red Cross Outpost	Espanola	13	3	6	242	42	290	269	15	1	6
Red Cross Outpost	Haliburton	5	2	2	96	13	111	109	2	....	....
Red Cross Outpost	Hawk Junction	9	2	3	128	15	146	139	4	1	3
Red Cross Outpost	Hornepayne	5	2	....	45	11	56	55	1	....	....
Red Cross Outpost	Jellicoe	7	1	1	133	9	143	139	3	2	1
Red Cross Outpost	Kakabeka Falls	4	3	2	39	24	65	64	1	1	....
Kirkland Dist. Hosp.	Kirkland Lake	71	25	75	2,633	480	3,188	3,029	88	16	71
Red Cross Outpost	Lion's Head	6	4	....	81	45	126	122	2	1	2
Red Cross Outpost	Mindemoya	16	4	16	293	56	365	341	16	....	8
Red Cross Outpost	Nakina	7	1	....	84	13	97	93	3	1	1
Lady Minto Hospital	New Liskeard	18	5	7	397	71	475	447	15	2	13
Red Cross Outpost	Port Loring	4	2	2	56	29	87	84	1	....	2
Red Cross Outpost	Quibell	3	1	1	13	6	20	20	....	....	....
Red Cross Outpost	Rainy River	9	3	6	214	77	297	277	12	1	8
Red Cross Outpost	Redditt	4	1	....	10	3	13	13	....	....	....
Red Cross Outpost	Richard's Landing	9	2	6	154	38	198	188	7	1	3
Red Cross Outpost	Thessalon	13	2	11	277	40	328	303	16	2	9
Red Cross Outpost	Whitney	5	1	1	33	14	48	42	3	....	3
Red Cross Outpost	Wilberforce	2	1	....	18	4	22	22	....	....	....
Red Cross Car	....	4	....	5	133	1	139	131	4	....	4
Totals	....	352	92	201	7,343	1,444	8,988	8,507	290	42	191

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital, also the average stay in days each patient was under treatment.

Name of Hospital	Location	Total patients treated during year	Total patient days adults and children for year	Total days infants born for year	Total patient days all patients for year	Average number of patients in hospital daily	Number of graduate and professional staff	Number of other employees, including nurses-in-training	Percentage of beds occupied during year
									%
Red Cross Outpost	Apsley	33	139	77	216	....	1	1	7.4
Red Cross Outpost	Armstrong	56	389	28	417	1	1	1	19.0
Red Cross Outpost	Atikokan	10	28	9	37	....	1	1	2.5
Red Cross Outpost	Bancroft	324	1,847	768	2,615	7	3	2	60.0
Red Cross Outpost	Blind River	229	1,490	329	1,819	5	3	3	22.7
Red Cross Outpost	Bracebridge	675	5,797	703	6,500	18	6	5	55.7
Red Cross Outpost	Coe Hill	60	253	184	437	1	1	2	17.1
Red Cross Outpost	Dryden	788	6,673	1,233	7,906	22	4	4	58.5
Red Cross Outpost	Emo	195	1,580	315	1,895	5	3	3	37.1
Red Cross Outpost	Englebart	404	2,561	688	3,249	9	3	3	38.7
Red Cross Outpost	Espanola	290	3,261	499	3,760	10	4	3	64.4
Red Cross Outpost	Haliburton	111	564	137	701	2	1	1	27.4
Red Cross Outpost	Hawk Junction	146	1,255	146	1,401	4	2	2	34.9
Red Cross Outpost	Hornepayne	56	424	100	524	1	1	1	20.5
Red Cross Outpost	Jellicoe	143	1,235	84	1,319	4	1	2	45.2
Red Cross Outpost	Kakabeka Falls	65	328	223	551	2	1	1	21.6
Kirkland District Hosp.	Kirkland Lake	3,188	24,772	5,144	29,916	82	29	32	85.4
Red Cross Outpost	Lion's Head	126	507	357	864	2	1	1	23.7
Red Cross Outpost	Mindemoya	365	2,684	587	3,271	9	4	3	44.8
Red Cross Outpost	Nakina	97	821	97	918	3	1	2	31.4
Lady Minto Hospital	New Liskeard	475	3,669	1,064	4,733	13	3	3	56.4
Red Cross Outpost	Port Loring	87	454	316	770	2	1	1	35.2
Red Cross Outpost	Quibell	20	100	49	149	....	1	1	10.2
Red Cross Outpost	Rainy River	297	2,453	728	3,181	9	3	3	72.6
Red Cross Outpost	Redditt	13	53	26	79	....	1	1	4.3
Red Cross Outpost	Richard's Landing	198	1,210	350	1,560	4	2	2	38.9
Red Cross Outpost	Thessalon	328	2,729	404	3,133	9	3	3	57.2
Red Cross Outpost	Whitney	48	184	125	309	....	1	1	14.1
Red Cross Outpost	Wilberforce	22	81	35	116	....	1	1	10.6
Red Cross Car	....	139	838	11	849	2	1	1	58.2
Totals	....	8,988	68,379	14,816	83,195	228	88	90	51.3

RED CROSS OUTPOST HOSPITALS (Continued)

TABLE No. III.—Showing the cost of operating the hospitals, also the average daily cost of each patient.

Name of Hospital	Location	Total collective days' stay of all patients	Percentage of service devoted to hospital	Cost of dietaries	Other operating costs	Total operating costs	Average daily per capita cost*
			%	$ c.	$ c.	$ c.	$ c.
Red Cross Outpost	Armstrong	417	100	448 18	2,253 95	2,702 13	6 48
Red Cross Outpost	Bancroft	2,615	100	1,124 48	6,178 74	7,303 22	2 79
Red Cross Outpost	Blind River	1,819	100	1,346 25	6,600 80	7,947 05	4 37
Red Cross Outpost	Bracebridge	6,500	100	3,891 88	14,842 31	18,734 19	2 88
Red Cross Outpost	Dryden	7,906	100	2,818 99	12,926 15	15,745 14	1 99
Red Cross Outpost	Emo	1,895	100	1,330 78	7,386 61	8,717 39	4 60
Red Cross Outpost	Englehart	3,249	100	1,564 28	7,076 60	8,640 88	2 66
Red Cross Outpost	Espanola	3,760	100	1,730 62	8,424 83	10,155 45	2 70
Red Cross Outpost	Hawk Junction	1,401	100	1,056 25	4,096 79	5,153 04	3 68
Red Cross Outpost	Jellicoe	1,319	100	1,058 17	4,524 23	5,582 40	4 23
Kirkland District Hosp.†	Kirkland Lake	27,455	100	15,402 29	77,201 39	92,603 68	3 37
Red Cross Outpost	Mindemoya	3,271	100	1,552 88	8,501 20	10,054 08	3 07
Lady Minto Hospital	New Liskeard	4,733	100	3,136 20	11,200 92	14,337 12	3 03
Red Cross Outpost	Rainy River	3,181	100	1,131 63	5,497 93	6,629 56	2 09
Red Cross Outpost	Thessalon	3,133	100	1,280 86	6,376 86	7,657 72	2 44
Red Cross Car		849	100	690 13	3,753 78	4,443 91	5 23
Totals		73,503	100	39,563 87	186,843 09	226,406 96	3 08
The following Outposts maintain Public Health and Visiting Nursing Service throughout the District. The total costs shown include this service.							
Red Cross Outpost	Apsley	216	41	586 71	2,686 17	3,272 88	6 28
Red Cross Outpost	Atikokan	37	12	284 43	2,427 92	2,712 35	9 06
Red Cross Outpost	Coe Hill	437	43	394 11	2,746 79	3,140 90	3 09
Red Cross Outpost	Haliburton	701	69	502 63	2,970 32	3,472 95	3 41
Red Cross Outpost	Hornepayne	524	68	555 73	2,839 33	3,395 06	4 43
Red Cross Outpost	Kakabeka Falls	551	52	487 21	2,907 66	3,394 87	3 22
Red Cross Outpost	Lion's Head	864	80	455 62	2,536 06	2,991 68	2 78
Red Cross Outpost	Nakina	918	78	677 70	4,004 83	4,682 53	3 97
Red Cross Outpost	Port Loring	770	50	520 97	2,366 58	2,887 55	1 88
Red Cross Outpost	Quibell	149	16	309 31	2,087 61	2,396 92	2 60
Red Cross Outpost	Redditt	79	17	332 61	2,107 21	2,439 82	5 10
Red Cross Outpost	Richard's Landing	1,560	89	844 62	4,872 28	5,716 90	3 25
Red Cross Outpost	Whitney	309	27	312 81	2,483 98	2,796 79	2 47
Red Cross Outpost	Wilberforce	116	21	284 06	2,650 80	2,934 86	5 31
Totals		7,231	47	6,548 52	39,687 54	46,236 06	3 01
GRAND TOTALS		**80,734**	**91**	**46,112 39**	**226,530 63**	**272,643 02**	**3 07**

†Does not include 2,461 days for patients cared for in Cairns Hospital (overflow). *Hospital patients only.

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Total income from all sources other than Government grants
		$ c.	$ c.	$ c.	$ c.	$ c.
Red Cross Outpost	Apsley	449 75	41 70	40 20	293 95	825 60
Red Cross Outpost	Armstrong	1,053 25	....	38 00	106 42	1,197 67
Red Cross Outpost	Atikokan	161 75	....	94 40	531 40	787 55
Red Cross Outpost	Bancroft	3,918 35	391 40	3 31	1,038 87	5,351 93
Red Cross Outpost	Blind River	3,055 80	135 00	2 38	....	3,193 18
Red Cross Outpost	Bracebridge	15,119 56	2,619 75	18 12	6,215 03	23,972 46
Red Cross Outpost	Coe Hill	621 66	66 15	214 75	591 85	1,494 41
Red Cross Outpost	Dryden	9,682 52	1,839 83	1 00	1,824 86	13,348 21
Red Cross Outpost	Emo	3,374 50	413 95	....	2,355 50	6,143 95
Red Cross Outpost	Englehart	5,394 73	227 00	16 36	313 82	5,951 91
Red Cross Outpost	Espanola	6,045 40	748 25	1 80	505 84	7,301 29
Red Cross Outpost	Haliburton	1,307 60	144 45	136 89	1,066 76	2,655 70
Red Cross Outpost	Hawk Junction	3,271 20	72 50	8 28	1,796 85	5,148 83
Red Cross Outpost	Hornepayne	1,166 95	15 75	28 77	635 32	1,846 79
Red Cross Outpost	Jellicoe	2,553 40	....	188 50	1,069 96	3,811 86
Red Cross Outpost	Kakabeka Falls	557 95	102 70	380 15	950 00	1,990 80
Kirkland District Hospital	Kirkland Lake	92,523 01	6,360 60	386 78	10,586 03	109,856 42
Red Cross Outpost	Lion's Head	1,221 80	18 20	108 41	483 70	1,832 11
Red Cross Outpost	Mindemoya	7,254 53	276 40	....	826 22	8,357 15
Red Cross Outpost	Nakina	2,190 45	....	5 28	523 05	2,718 78
Lady Minto Hospital	New Liskeard	11,212 40	427 25	4 47	1,865 73	13,509 85
Red Cross Outpost	Port Loring	1,077 08	....	143 11	222 05	1,442 24
Red Cross Outpost	Quibell	233 40	....	44 75	170 27	448 42
Red Cross Outpost	Rainy River	3,484 00	584 85	5 10	119 60	4,193 55
Red Cross Outpost	Redditt	149 65	....	71 75	250 82	472 22
Red Cross Outpost	Richard's Landing	3,145 98	233 15	34 05	1,029 27	4,442 45
Red Cross Outpost	Thessalon	5,220 85	740 55	20 00	718 33	6,699 73
Red Cross Outpost	Whitney	269 00	....	169 65	398 80	837 45
Red Cross Outpost	Wilberforce	365 15	2 00	95 90	520 07	983 12
Red Cross Car		1,869 45	28 25	53 98	1,063 67	3,015 35
Totals		187,951 12	15,489 68	2,316 14	38,074 04	243,830 98

RED CROSS OUTPOST HOSPITALS (Continued)

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Days at 10c.	Infants born days at 30c.	Total per diem grant	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
					$ c.	$ c.	$ c.	$ c.
Red Cross Outpost	Apsley	131		72	100 20			100 20
Red Cross Outpost	Armstrong	45			27 00	36 40		63 40
Red Cross Outpost	Atikokan	15		4	10 20	12 60		22 80
Red Cross Outpost	Bancroft	1,461		688	1,083 00	32 20	31 20	1,084 00
Red Cross Outpost	Blind River	828		225	564 30	494 20	26 10	1,032 40
Red Cross Outpost	Bracebridge	3,277	162	444	2,115 60	106 40	2 70	2,219 30
Red Cross Outpost	Coe Hill	226		169	186 30		1 80	184 50
Red Cross Outpost	Dryden	4,253	1,217	1,019	2,979 20	2,957 45	52 45	5,884 20
Red Cross Outpost	Emo	902		187	597 30	166 60		763 90
Red Cross Outpost	Englehart	1,509		542	1,068 00	928 90	40 65	1,956 25
Red Cross Outpost	Espanola	2,076		345	1,349 10	1,761 20	34 25	3,076 05
Red Cross Outpost	Haliburton	349		122	246 00			246 00
Red Cross Outpost	Hawk Junction	295		112	210 60	425 70		636 30
Red Cross Outpost	Hornepayne	20		10	15 00			15 00
Red Cross Outpost	Jellicoe	517		57	327 30	350 70	22 20	655 80
Red Cross Outpost	Kakabeka Falls	296		218	243 00	127 40	7 20	363 20
Kirkland Dist. Hosp.	Kirkland Lake	6,795	425	584	4,294 70	2,106 50	197 45	6,203 75
Red Cross Outpost	Lion's Head	391		266	314 40			314 40
Red Cross Outpost	Mindemoya	1,758	64	468	1,201 60	349 80	9 00	1,542 40
Red Cross Outpost	Nakina	179		9	110 10	42 70		152 80
Lady Minto Hospital	New Liskeard	961		280	660 60	375 90	21 60	1,014 90
Red Cross Outpost	Port Loring	322		274	275 40	257 05		532 45
Red Cross Outpost	Quibell	58		17	39 90	72 10		112 00
Red Cross Outpost	Rainy River	1,796	22	538	1,241 20	883 20		2,124 40
Red Cross Outpost	Redditt	50		26	37 80	29 40		67 20
Red Cross Outpost	Richard's Landing	893		270	616 80			616 80
Red Cross Outpost	Thessalon	1,979	2	316	1,282 40	713 60	6 00	1,990 00
Red Cross Outpost	Whitney	151		119	126 30	283 75		410 05
Red Cross Outpost	Wilberforce	66		25	47 10			47 10
Red Cross Car		594			356 40	357 00		713 40
Totals		32,193	1,892	7,406	21,726 80	12,870 75	452 60	34,144 95

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	No. of patients	Days at $2.00	Less		Amount	No. of infants	Days at $1.00	Less days at 30c.	Amount	Total Grant
				Days at 60c.	Days at 10c.						
						$ c.				$ c.	$
Red Cross Outpost	Apsley										
Red Cross Outpost	Armstrong	3	26	26		36 40					36 40
Red Cross Outpost	Atikokan	4	9	9		12 60					12 60
Red Cross Outpost	Bancroft	2	23	23		32 20					32 20
Red Cross Outpost	Blind River	32	327	327		457 80	6	52	52	36 40	494 20
Red Cross Outpost	Bracebridge	4	76	76		106 40					106 40
Red Cross Outpost	Coe Hill										
Red Cross Outpost	Dryden	137	1,953	1,771	162	2,827 20	19	187	189	130 30	2,957 45
Red Cross Outpost	Emo	10	94	94		131 60	5	50	50	35 00	166 60
Red Cross Outpost	Englehart	60	563	563		788 20	19	201	201	140 70	928 90
Red Cross Outpost	Espanola	78	1,209	1,139		1,734 60	3	38	38	26 60	1,761 20
Red Cross Outpost	Haliburton										
Red Cross Outpost	Hawk Junction	23	252	176		398 40	4	37	32	27 40	425 70
Red Cross Outpost	Hornepayne										
Red Cross Outpost	Jellicoe	10	242	242		338 80	2	17	17	11 90	350 70
Red Cross Outpost	Kakabeka Falls	4	70	70		98 00	4	42	42	29 40	127 40
Kirkland Dist. Hosp.	Kirkland Lake	67	1,383	1,201	101	2,035 30	9	97	86	71 20	2,106 50
Red Cross Outpost	Lion's Head										
Red Cross Outpost	Mindemoya	7	222	158	64	342 80	1	10	10	7 00	349 80
Red Cross Outpost	Nakina	3	26	26		36 40	1	9	9	6 30	42 70
Lady Minto Hosp.	New Liskeard	9	258	258		361 20	3	21	21	14 70	375 90
Red Cross Outpost	Port Loring	14	140	130		202 00	8	74	63	55 10	257 05
Red Cross Outpost	Quibell	4	47	47		65 80	1	9	9	6 30	72 10
Red Cross Outpost	Rainy River	34	578	556	22	820 20	10	90	90	63 00	883 20
Red Cross Outpost	Redditt	4	17	17		23 80	1	8	8	5 60	29 40
Red Cross Outpost	Richard's Landing										
Red Cross Outpost	Thessalon	42	482	482		674 80	7	55	54	38 80	713 60
Red Cross Outpost	Whitney	22	144	144		201 60	13	117	116	82 20	283 75
Red Cross Outpost	Wilberforce										
Red Cross Car		26	255	255		357 00					357 00
Totals		599	8,396	7,790	349	12,083 10	116	1,114	1,087	787 90	12,870 75

HOSPITALS FOR INCURABLES

TABLE No. I.—Showing the bed capacity, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed capacity	Patients in residence on Oct. 1st, 1938	Patients admitted during year ending Sept. 30th, 1939	Total No. of patients treated during year	No. of patients discharged during year	No. of deaths	Number of patients in residence on Sept. 30th, 1939
St. Peter's Infirmary	Hamilton	100	70	60	130	13	34	83
Parkwood Hospital for Incurables	London	140	111	90	201	21	46	134
Perley Home for Incurables	Ottawa	90	87	27	114	8	20	86
St. Vincent Hospital for Incurables	Ottawa	205	192	145	337	56	97	184
Home for Incurable Children	Toronto	40	36	6	42	2	....	40
Mercy Hospital for Incurables	Toronto	165	152	91	243	26	53	164
Toronto Hospital for Incurables	Toronto	385	380	180	560	43	140	377
East Windsor Hospital for Incurables	Windsor	31	21	35	56	12	11	33
Totals		1,156	1,049	634	1,683	181	401	1,101

TABLE No. II.—Showing the collective stay in days of the patients admitted to the hospital, also the average stay in days each patient was under treatment.

Name of Hospital	Location	Total patients treated during year	Total collective days' stay of patients for year	Average number of patients in hospital daily	Number of graduate and professional staff	Number of all other employees, including nurses-in-training	Percentage of beds occupied during year
							%
St. Peter's Infirmary	Hamilton	130	26,348	72	10	28	72.2
Parkwood Hospital for Incurables	London	201	44,295	121	25	49	86.7
Perley Home for Incurables	Ottawa	114	31,340	86	9	44	95.4
St. Vincent Hospital for Incurables	Ottawa	337	70,010	192	10	112	93.6
Home for Incurable Children	Toronto	42	13,854	38	24	32	94.9
Mercy Hospital for Incurables	Toronto	243	57,548	158	63	146	95.6
Toronto Hospital for Incurables	Toronto	560	138,584	380	3	23	98.6
East Windsor Hospital for Incurables	Windsor	56	10,489	29	2	5	92.7
Totals		1,683	392,468	1,075	146	439	93.0

TABLE No. III.—Showing the cost of operating the hospitals and average daily cost of each patient.

Name of Hospital	Location	Total collective days' stay of all patients	Interest and capital charges	Total cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
			$ c.	$ c.	$ c.	$ c.	$ c.
St. Peter's Infirmary	Hamilton	26,348	600 00	8,352 65	29,987 02	38,339 67	1 46
Parkwood Hospital for Incurables	London	44,295	....	14,317 20	54,378 75	68,695 95	1 55
Perley Home for Incurables	Ottawa	31,340	....	7,903 64	38,633 81	46,537 45	1 48
St. Vincent Hospital for Incurables	Ottawa	70,010	10,159 25	23,717 26	62,851 64	86,568 90	1 24
Home for Incurable Children	Toronto	13,854	....	5,073 34	21,197 37	26,270 71	1 90
Mercy Hospital for Incurables	Toronto	57,548	274 46	17,482 66	65,362 15	82,844 81	1 44
Toronto Hospital for Incurables	Toronto	138,584	....	63,818 15	201,269 56	265,087 71	1 91
East Windsor Hosp. for Incurables	Windsor	10,489	....	3,538 95	10,810 87	14,349 82	1 37
Totals		392,468	11,033 71	144,203 85	484,491 17	628,695 02	1 60

HOSPITALS FOR INCURABLES (Continued)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Total income from all sources other than Government grants
		$ c.	$ c.	$ c.	$ c.	$ c.
St. Peter's Infirmary	Hamilton	16,318 38	26,387 32	1,773 97	4,210 35	48,690 02
Parkwood Hospital for Incurables	London	28,000 48	37,982 64	4,685 48	1,862 46	72,531 06
Perley Home for Incurables	Ottawa	19,700 40	27,351 11	1,627 38	7,605 57	56,284 46
St. Vincent Hospital for Incurables	Ottawa	22,340 45	80,024 16	207 51	14,008 82	116,580 94
Home for Incurable Children	Toronto	1,455 60	4,577 70	6,374 16	9,180 13	21,587 59
Mercy Hospital for Incurables	Toronto	3,760 00	79,405 00			83,165 00
Toronto Hospital for Incurables	Toronto	29,645 21	181,404 00	16,415 32	19,135 70	246,600 23
East Windsor Hospital for Incurables	Windsor	51 25	13,127 31	8 76		13,187 32
Totals		121,271 77	450,259 24	31,092 58	56,003 03	658,626 62

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Hospital	Location	Days at 40c.	Amount	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
			$ c.	$ c.	$ c.	$ c.
St. Peter's Infirmary	Hamilton	22,795	9,118 00	584 00		9,702 00
Parkwood Hospital for Incurables	London	42,603	17,041 20			17,041 20
Perley Home for Incurables	Ottawa	28,905	11,562 00	1,706 70	28 80	13,239 90
St. Vincent Hospital for Incurables	Ottawa	68,517	27,406 80	3,326 40	3 20	30,730 00
Home for Incurable Children	Toronto	13,854	5,541 60	96 00		5,637 60
Mercy Hospital for Incurables	Toronto	57,183	22,873 20	1,234 00		24,107 20
Toronto Hospital for Incurables	Toronto	129,762	51,904 80	2,755 20	17 20	54,642 80
East Windsor Hospital for Incurables	Windsor	10,489	4,195 60			4,195 60
Totals		374,108	149,643 20	9,702 30	49 20	159,296 30

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	Number of patients	Days at $2.00	Less days at 40c.	Amount
					$ c.
St. Peter's Infirmary	Hamilton	1	365	365	584 00
Parkwood Hospital for Incurables	London				
Perley Home for Incurables	Ottawa	4	1,067	1,068	1,706 70
St. Vincent Hospital for Incurables	Ottawa	6	2,079	2,079	3,326 40
Home for Incurable Children	Toronto	1	*192		96 00
Mercy Hospital for Incurables	Toronto	2	690	365	1,234 00
Toronto Hospital for Incurables	Toronto	6	1,722	1,722	2,755 20
East Windsor Hospital for Incurables	Windsor				
Totals		20	6,115	5,599	9,702 30

*A rate of 50c. a day has been arranged.

CONVALESCENT HOSPITALS

TABLE No. I.—Showing the bed capacity, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed capacity	Patients in residence Oct. 1st, 1938	Patients admitted during year	Total patients treated during year	Patients discharged during year	Number of deaths	Patients still in residence on Sept. 30th, 1939
Children's Convalescent Camp	Burlington	33	......	70	70	70	......	......
Blue Mountain Camp for Crippled Children	Collingwood	45	......	163	163	163	......	......
St. John's Convalescent Hospital	Newtonbrook	64	47	569	616	567	2	47
Civitan Convalescent Camp	Toronto	29	......	58	58	58	......	......
Hastings Memorial Convalescent Hospital*	Toronto	40	23	6	29	29	......	......
Hillcrest Convalescent Hospital	Toronto	43	15	298	313	293	2	18
I.O.D.E. Preventorium†	Toronto	128	......	423	423	355	......	68
East Windsor Convalescent Hospital	Windsor	8	6	34	40	30	2	8
Totals	....	390	91	1,621	1,712	1,565	6	141

TABLE No. II.—Showing the collective stay in days of the patients admitted to the hospital, also the average stay in days each patient was under treatment.

Name of Hospital	Location	Total patients treated	Total days' stay	Average number of patients in hospital daily	Number of graduate staff	All other employees
Children's Convalescent Camp	Burlington	70	1,919	5	2	2
Blue Mountain Camp for Crippled Children	Collingwood	163	3,519	10	2	5
St. John's Convalescent Hospital	Newtonbrook	616	20,869	57	9	30
Civitan Convalescent Camp	Toronto	58	1,204	3	6	7
Hastings Memorial Convalescent Hospital	Toronto	29	4,137	11	5	6
Hillcrest Convalescent Hospital	Toronto	313	9,052	25	7	43
I.O.D.E. Preventorium	Toronto	423	29,644	81	1	3
East Windsor Convalescent Hospital	Windsor	40	2,103	6	2	3
Totals	....	1,712	72,447	198	34	99

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total collective days' stay of all patients	Interest and capital charges	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
			$ c.	$ c.	$ c.	$ c.	$ c.
Children's Convalescent Camp	Burlington	1,919	550 00	551 95	1,391 44	1,943 39	1 01
Blue Mountain Camp for Crippled Children	Collingwood	3,519	....	877 55	4,100 43	4,977 98	1 41
St. John's Convalescent Hospital	Newtonbrook	20,869	....	12,932 31	34,645 05	47,577 36	2 28
Civitan Convalescent Camp	Toronto	1,204	....	695 67	510 12	1,205 79	1 00
Hastings Memorial Con. Hosp.	Toronto	4,137	....	3,538 10	10,844 45	14,382 55	3 48
Hillcrest Convalescent Hospital	Toronto	9,052	....	4,404 04	11,442 92	15,846 96	1 75
I.O.D.E. Preventorium	Toronto	29,644	....	12,321 81	48,451 76	60,773 57	2 05
East Windsor Convalescent Hosp.	Windsor	2,103	....	709 20	2,179 11	2,888 31	1 37
Totals	....	72,447	550 00	36,030 63	113,565 28	149,595 91	2 06

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Total income from all sources other than Government grants
		$ c.	$ c.	$ c.	$ c.	$ c.
Children's Convalescent Camp	Burlington	....	....	32 86	1,840 34	1,873 20
Blue Mountain Camp for Crippled Children	Collingwood	....	379 89	10 44	6,142 49	6,532 82
St. John's Convalescent Hospital	Newtonbrook	21,262 40	16,503 32	652 38	5,249 54	43,667 64
Civitan Convalescent Camp	Toronto	....	586 60	....	427 95	1,014 55
Hastings Memorial Con. Hosp.	Toronto	228 75	3,188 75	....	....	3,417 50
Hillcrest Convalescent Hospital	Toronto	6,190 75	7,928 75	819 58	250 00	15,189 08
I.O.D.E. Preventorium	Toronto	1,321 95	33,355 00	10,699 67	11,440 05	56,816 67
East Windsor Convalescent Hosp.	Windsor	5 56	2,629 57	1 76	....	2,636 89
Totals	....	29,009 41	64,571 88	12,216 69	25,350 37	131,148 35

CONVALESCENT HOSPITALS (Continued)

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Hospital	Location	Days at 40c.	Days at 10c.	Amount	Grant for indigents from unorganized territory	Adjustments DEBIT	Total grant
				$ c	$ c.	$ c.	$ c.
Children's Convalescent Camp	Burlington	1,919		767 60			767 60
Blue Mountain Camp for Crippled Children	Collingwood	3,519		1,407 60			1,407 60
St. John's Convalescent Hospital	Newtonbrook	16,512	207	6,625 50	18 75	2 00	6,642 25
Civitan Convalescent Camp	Toronto	1,204		481 60			481 60
Hastings Memorial Convalescent Hospital	Toronto	4,190		1,676 00			1,676 00
Hillcrest Convalescent Hospital	Toronto	6,836		2,734 40	62 70		2,797 10
I.O.D.E. Preventorium	Toronto	25,046	953	10,113 70	1,577 25	8 40	11,682 55
East Windsor Convalescent Hospital	Windsor	2,106	69	849 30			849 30
Totals		61,332	1,229	24,655 70	1,658 70	10 40	26,304 00

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grant during year.

Name of Hospital	Location	Number of patients	Days at $1.65	Less		Amount
				Days at 40c.	Days at 10c.	
						$ c.
Children's Convalescent Camp	Burlington					
Blue Mountain Camp for Crippled Children	Collingwood					
St. John's Convalescent Hospital	Newtonbrook	2	15	15		18 75
Civitan Convalescent Camp	Toronto					
Hastings Memorial Convalescent Hospital	Toronto					
Hillcrest Convalescent Hospital	Toronto	2	38			62 70
I.O.D.E. Preventorium	Toronto	5	1,140	753	25	1,577 25
East Windsor Convalescent Hospital	Windsor					
Totals		9	1,193	768	25	1,658 70

---

*Hastings Memorial Convalescent Hospital ceased to operate as a Convalescent Hospital as of Oct. 1st, 1939.

†This institution was formerly listed as a Sanatorium. Status changed from Oct. 1st, 1938.

SUMMARIZED STATEMENT OF PROVINCIAL GRANTS

For the Year October 1st, 1938, to September 30th, 1939

	Public Hospitals	Red Cross Outposts	Hospitals for Incurables	Convalescent Hospitals	TOTALS
STATUTORY PER DIEM GRANTS:					
Days at 60c.	1,707,736	32,193			1,739,929
Days at 10c.	139,327	1.892		1,229	142,448
Infant Days at 30c.	134,620	7,406			142,026
Days at 40c.			374,108	61,332	435,440
Amount	$1,078,960 30	$21,726 80	$149,643 20	$24,655 70	$1,274,986 00
INDIGENTS FROM UNORGANIZED TERRITORY:					
Number of Patients	3,000	599	20	9	3,628
Days at $2.00	71,265	8,396	6,115		85,776
Days at $1.65				1,193	1,193
Amount (after deduction for per diem grant)	$107,390 60	$12,083 10	$9,702 30	$1,658 70	$130,834 70
Number of Infants Born	411	116			527
Days at $1.00	4,197				4,197
Amount (after deduction for per diem grant)	$2,939 70	$787 90			$3,727 60
Total Indigent Grant*	$110,329 84	$12,870 75	$9,702 30	$1,658 70	$134,561 59
Total Grant Earned for Year	$1,189.290 14	$34.597 55	$159,345 50	$26,314 40	$1,409,547 59
Deduction for Audit Adjustments, etc.	14.005 13	452 60	49 20	10 40	14,517 33
TOTAL NET GRANT	$1,175,285 01	$34,144 95	$159,296 30	$26,304 00	$1,395,030 26

---

*NOTE:—Small differences are due to odd amounts paid on account by patients.

SANATORIA FOR CONSUMPTIVES—1938

TABLE No. I—Showing the bed capacity, together with the movement of patients in each institution separately.

Name of Sanatoria	Location	Bed capacity		Patients in residence on Oct. 1st, 1937	Total patients admitted during year	Live births during year	Total patients treated during year	Patients discharged during year	No. of deaths	Patients in residence on Sept. 30th, 1938
		Adult beds	Children's cots							
Brant Sanatorium	Brantford	77	25	73	104	....	177	77	13	87
St. Lawrence Sanatorium*	Cornwall	108	....	....	173	....	173	46	20	107
Fort William Sanatorium	Fort William.	100	1	103	130	....	233	100	27	106
Muskoka Hosp. for Consumptives	Gravenhurst.	435	....	439	380	....	819	353	58	408
St. Mary's-on-the-Lake Sanatorium	Haileybury	115	....	97	119	1	217	95	21	101
Mountain Sanatorium	Hamilton	555	45	586	612	2	1,200	464	110	626
Kingston Sanatorium	Kingston	46	....	37	53	....	90	35	11	44
Freeport Sanatorium	Kitchener	142	6	146	113	....	259	99	22	138
Queen Alexandra Sanatorium	London	570	34	514	547	....	1,061	483	68	510
Royal Ottawa Sanatorium	Ottawa	175	35	188	155	....	343	113	41	189
Niagara Peninsula Sanatorium	St. Catharines	85	....	76	97	....	173	80	14	79
The I.O.D.E. Preventorium	Toronto	....	128	104	271	....	375	285	....	90
Toronto Hosp. for Consumptives and Queen Mary H. for Con. Children	Weston	623	60	508	482	5	995	296	†102	598
Essex County Sanatorium	Windsor	104	26	125	107	....	232	84	20	128
Totals		3,135	360	2,996	3,343	8	6,347	2,610	527	3,211

TABLE No. II.—Showing the collective stay in days of the patients admitted to and infants born in the institution, and the average stay in days each patient was under treatment.

Name of Sanatoria	Location	Total patients treated during year	Total patient days, adults and children	Total days infants born	Total collective days' stay of all patients during year	Average No. of patients in sanatoria daily	No. of graduate and professional staff	No. of all other employees, including nurses-in-training	Percentage of beds occupied during year
									%
Brant Sanatorium	Brantford	177	31,026	....	31,026	85	10	29	82.7
St. Lawrence Sanatorium	Cornwall	173	28,735	....	28,735	79	19	28	72.9
Fort William Sanatorium	Fort William.	233	39,026	....	39,026	107	13	23	106.9
Muskoka Hospital for Consumptives	Gravenhurst.	819	154,786	....	154,786	424	57	188	97.5
St. Mary's-on-the-Lake Sanatorium	Haileybury	217	37,426	3	37,429	103	19	37	89.1
Mountain Sanatorium	Hamilton	1,200	221,244	560	221,804	608	85	274	101.3
Kingston Sanatorium	Kingston	90	14,422	....	14,422	40	7	16	85.9
Freeport Sanatorium	Kitchener	259	48,477	....	48,477	133	22	29	89.7
Queen Alexandra Sanatorium	London	1,061	188,914	....	188,914	518	60	243	85.6
Royal Ottawa Sanatorium	Ottawa	343	69,630	....	69,630	191	33	59	90.8
Niagara Peninsula Sanatorium	St. Catharines	173	29,698	....	29,698	81	18	26	95.7
The I.O.D.E. Preventorium	Toronto	375	36,427	....	36,427	100	9	46	78.0
Toronto Hospital for Consumptives and Queen Mary Hosp. for Con. Children	Weston	995	195,974	2,019	197,993	541	138	266	79.4
Essex County Sanatorium	Windsor	232	45,352	....	45,352	124	19	36	95.6
Totals		6,347	1,141,137	2,582	1,143,719	3,134	509	1,300	89.5

TABLE No. III.—Showing the cost of operating the sanatoria and the average daily cost of each patient.

Name of Sanatoria	Location	Total collective days' stay of all patients	Cost of dietary supplies	Other operating costs, excluding provision for bad debts and for depreciation	Total operating cost, excluding provision for bad debts and for depreciation	Average daily per capita costs, excluding provision for bad debts and for depreciation	Interest and exchange on long term loans
			$ c.	$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	31,026	14,118 12	37,589 98	51,708 10	1 67	....
St. Lawrence Sanatorium	Cornwall	28,735	16,437 49	45,100 03	61,537 52	2 14	....
Fort William Sanatorium	Fort William.	39,026	19,408 55	42,760 30	62,168 85	1 59	6,250 00
Muskoka Hosp. for Consumptives	Gravenhurst.	154,786	95,431 23	250,307 95	345,739 18	2 23	....
St. Mary's-on-the-Lake Sanatorium	Haileybury	37,429	20,056 38	46,879 13	66,935 51	1 79	19,743 84
Mountain Sanatorium	Hamilton	221,804	122,365 41	349,468 07	471,833 48	2 13	....
Kingston Sanatorium	Kingston	14,422	10,511 90	35,283 52	45,795 42	3 17	1,410 00
Freeport Sanatorium	Kitchener	48,477	22,325 61	61,283 21	83,608 82	1 72	....
Queen Alexandra Sanatorium	London	188,914	104,551 54	295,470 01	400,021 55	2 12	....
Royal Ottawa Sanatorium	Ottawa	69,630	29,776 04	124,184 80	153,960 84	2 21	9,010 20
Niagara Peninsula Sanatorium	St. Catharines	29,698	17,920 08	55,795 25	73,715 33	2 48	....
The I.O.D.E Preventorium	Toronto	36,427	15,321 15	64,408 09	79,729 24	2 19	....
Toronto Hosp. for Consumptives and Queen Mary H. for Con. Children	Weston	197,993	92,483 02	379,436 74	471,919 76	2 38	....
Essex County Sanatorium	Windsor	45,352	23,264 59	72,838 19	96,102 78	2 12	....
Totals		1,143,719	603,971 11	1,860,805 27	2,464,776 38	2 16	36,414 04

*Cornwall opened October 4th, 1937.

†Includes one still-birth.

SANATORIA FOR CONSUMPTIVES—1938 (Continued)

TABLE No. IV.—Showing the sources of income of sanatoria.

Name of Sanatoria	Location	Income from patients and their agencies for maintenance in sanatoria	Income from municipalities	Sundry income, including Christmas seals	Income from out-patient service	Income from earnings on investments, endowments, etc.	Total income from all sources other than Government grant and Trustees' Funds	*Trustees' Funds received during the year
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	3,382 55	26,307 95	936 63	638 88	2.171 47	33,437 48	1.175 84
St. Lawrence Sanatorium	Cornwall	2,625 50	40,773 00	1,353 04	206 50	..	44,958 04	1 00
Fort William Sanatorium	Fort William.	8,400 00	21,954 50	38 99	1,307 00	. .	31,700 49	375 00
Muskoka Hospital for Consumptives	Gravenhurst.	39,752 31	131,991 39	15,270 53	3,135 26	67,973 89	258,123 38	75,468 72
St. Mary's-on-the-Lake Sanatorium	Haileybury	12,007 00	24,129 00	12,544 19	908 67	. . .	49,588 86	80 65
Mountain Sanatorium	Hamilton	66,542 92	193,584 18	15,689 65	2,557 50	5,856 22	284,230 47	2,818 25
Kingston Sanatorium	Kingston	15,916 07	12,356 06	344 78	4,109 13	2,960 05	35,686 09	677 53
Freeport Sanatorium	Kitchener	5,028 75	50,141 61	3,188 67	1,901 97	672 15	60,933 15	5,031 83
Queen Alexandra Sanatorium	London	59,342 07	163,103 50	6,801 60	3,247 00	17,663 52	250,157 69	3,670 08
Royal Ottawa Sanatorium	Ottawa	13,215 16	80,968 03	2,164 27	1,633 00	. . . .	97,980 46	. . . . . .
Niagara Peninsula Sanatorium	St. Catharines	6,877 31	28,515 75	11,677 78	2,298 60	2,311 26	51,680 70	5,733 62
The I.O.D.E. Preventorium	Toronto	1,193 20	43,401 20	14,457 38	. . . . .	13,167 97	72,219 75	. . . .
Toronto H. for Consumptives & Queen Mary H. for Con. Chil.	Weston	21,410 79	188,398 46	34,097 04	135 00	29,314 21	273,355 50	37,844 98
Essex County Sanatorium	Windsor	7,314 39	44,476 85	2,078 16	579 40	907 40	55,356 20	6,158 03
Totals		263,008 02	1,050,101 48	120,642 71	22,657 91	142,998 14	1,599,408 26	139,035 53

*NOTE:—Trustees' Funds represent legacies, bequests, donations, etc., which may be used for capital purposes, invested in semi-permanent investments or used for general purposes at the discretion of the sanatorium boards of directors.

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Sanatoria	Location	Days at 57½c.	Days at $2.07½	Infant days at $1.00	Amount	Indigents from unorganized territory	Adjustments DEBIT	Total Government grant
					$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	23,136	7,658	.....	29,193 56	1,613 10	....	30,806 66
St. Lawrence Sanatorium	Cornwall	18,745	9,423	.....	30,331 11	....	....	30,331 11
Fort William Sanatorium	Fort William.	28,238	9,138	.....	35,198 21	16,295 30	.....	51,493 51
Muskoka Hosp. for Consumptives	Gravenhurst.	114,306	37,737	.....	144,030 23	11,429 92	653 21	154,806 94
St. Mary's-on-the-Lake Sanatorium	Haileybury	26,150	8,285	.....	32,227 64	12,468 74	34 39	44,661 99
Mountain Sanatorium	Hamilton	156,703	55,242	81	204,812 38	10,157 40	23 00	214,946 78
Kingston Sanatorium	Kingston	9,491	3,808	.....	13,358 93	....	25 87	13,333 06
Freeport Sanatorium	Kitchener	37,194	11,263	.....	44,757 28	1,295 33	....	46,052 61
Queen Alexandra Sanatorium	London	134,706	42,817	.....	166,301 23	9,682 87	438 02	175,546 08
Royal Ottawa Sanatorium	Ottawa	51,671	17,411	.....	65,838 65	778 05	60 23	66,556 47
Niagara Peninsula Sanatorium	St. Catharines	21,740	7,240	.....	27,523 51	580 41	32 20	28,071 72
The I.O.D.E. Preventorium	Toronto	27,403	8,753	.....	33,919 21	1,352 33	56 93	35,214 61
Toronto Hosp. for Consumptives & Queen Mary H. for Con. Children	Weston	142,671	51,247	142	188,515 38	13,350 83	1,333 43	200,532 78
Essex County Sanatorium	Windsor	33,423	11,518	.....	43,118 08	1,120 05	....	44,238 13
Totals		825,577	281,540	223	1,059,125 40	80,124 33	2,657 28	1,136,592 45

NOTE:—Small differences due to fractional rate.

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Sanatoria	Location	No. of patients	Days at $2.00	Less days at 57½c.	Amount
					$ c.
Brant Sanatorium	Brantford	9	1,132	1,132	1,613 10
St. Lawrence Sanatorium	Cornwall	....	....	....	....
Fort William Sanatorium	Fort William	68	11,436	11,438	16,295 30
Muskoka Hospital for Consumptives	Gravenhurst	43	8,021	8,021	11,429 92
St. Mary's-on-the-Lake Sanatorium	Haileybury	51	8,750	8,750	12,468 74
Mountain Sanatorium	Hamilton	39	7,128	7,128	10,157 40
Kingston Sanatorium	Kingston	....	....	....	....
Freeport Sanatorium	Kitchener	6	909	909	1,295 33
Queen Alexandra Sanatorium	London	45	6,795	6,795	9,682 87
Royal Ottawa Sanatorium	Ottawa	2	546	546	778 05
Niagara Peninsula Sanatorium	St. Catharines	2	408	410	580 41
The I.O.D.E. Preventorium	Toronto	4	949	949	1,352 33
Toronto Hospital for Consumptives and Queen Mary Hospital for Consumptive Children	Weston	33	9,369	9,369	13,350 83
Essex County Sanatorium	Windsor	5	786	786	1,120 05
Totals		307	56,229	56,233	80.124 33

NOTE:—For period October 1st, 1937, to June 30th, 1938, only.

SANATORIA FOR CONSUMPTIVES—1939

TABLE No. I—Showing the bed capacity, together with the movement of patients in each institution separately.

Name of Sanatoria	Location	Bed complement		Patients in residence on Oct. 1st, 1938	Total patients admitted during year	Live births during year	Total patients treated during year	Patients discharged during year	No. of deaths	Patients in residence on Sept. 30th, 1939
		Adult beds	Children's cots							
Brant Sanatorium	Brantford	77	25	87	96	....	183	108	11	64
St. Lawrence Sanatorium	Cornwall	112	....	107	81	....	188	58	18	112
Fort William Sanatorium	Fort William	186	1	106	185	....	291	100	30	161
Muskoka Hosp. for Consumptives	Gravenhurst	440	....	403	430	....	833	358	62	413
St. Mary's-on-the-Lake Sanatorium	Haileybury	106	....	101	117	2	220	97	19	104
Mountain Sanatorium	Hamilton	688	14	626	569	4	1,199	414	103	682
Kingston Sanatorium	Kingston	47	....	44	44	....	88	28	14	46
Freeport Sanatorium	Kitchener	140	8	138	144	....	282	114	24	144
Queen Alexandra Sanatorium	London	577	34	510	607	....	1,117	483	89	545
Royal Ottawa Sanatorium	Ottawa	182	28	189	174	....	363	135	32	196
Niagara Peninsula Sanatorium	St. Catharines	86	....	79	99	....	178	83	13	82
Toronto Hosp. for Consumptives and Queen Mary H. for Con. Children	Weston	626	50	598	458	3	1,059	319	137	603
Essex County Sanatorium	Windsor	140	28	128	144	....	272	87	30	155
Totals		3,407	188	3,116	3,148	9	6,273	2,384	582	3,307

TABLE No. II.—Showing the collective stay in days of the patients admitted to and infants born in the institutions, and the average stay in days each patient was under treatment.

Name of Sanatoria	Location	Total patients treated during year	Total collective days' stay of all patients during year	Average days' stay of each patient during year	Average No. of patients in sanatoria daily	Number of graduate and professional staff		No. of all other employees	Percentage of beds occupied during year
						Full time	Part time		%
Brant Sanatorium	Brantford	183	28,791	157.3	79	10	2	34	77.3
St. Lawrence Sanatorium	Cornwall	188	40,056	213.1	110	18	....	38	98.0
Fort William Sanatorium	Fort William	291	53,397	183.5	146	21	....	40	94.7
Muskoka Hospital for Consumptives	Gravenhurst	833	155,208	186.3	425	53	....	199	96.6
St. Mary's-on-the-Lake Sanatorium	Haileybury	220	36,228	164.7	99	19	....	37	93.4
Mountain Sanatorium	Hamilton	1,199	247,925	206.8	679	85	3	307	96.6
Kingston Sanatorium	Kingston	88	16,924	192.3	46	7	1	14	98.7
Freeport Sanatorium	Kitchener	282	52,868	187.5	145	19	3	32	97.9
Queen Alexandra Sanatorium	London	1,117	196,394	175.8	538	70	1	256	88.1
Royal Ottawa Sanatorium	Ottawa	363	71,044	195.7	195	30	2	60	92.7
Niagara Peninsula Sanatorium	St. Catharines	178	30,402	170.8	83	14	2	29	96.9
Toronto Hospital for Consumptives and Queen Mary Hosp. for Con. Children	Weston	1,059	228,299	215.6	626	123	2	290	91.5
Essex County Sanatorium	Windsor	272	52,724	193.8	144	19	1	58	95.1
Totals		6,273	1,210,260	192.9	3,315	488	17	1,394	93.3

TABLE No. III.—Showing the cost of operating the sanatoria and the average daily cost of each patient.

Name of Sanatoria	Location	Total collective days' stay of all patients	Cost of dietary supplies	Other operating costs, excluding provision for bad debts and for depreciation	Total operating cost, excluding provision for bad debts and for depreciation	Average daily per capita costs, excluding provision for bad debts and for depreciation	Interest and exchange on long term loans
			$ c.	$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	28,791	14,124 14	40,689 26	54,813 40	1 90	....
St. Lawrence Sanatorium	Cornwall	40,056	23,147 28	57,343 40	80,490 68	2 01	....
Fort William Sanatorium	Fort William	53,397	27,913 07	61,875 84	89,788 91	1 68	7,812 50
Muskoka Hosp. for Consumptives	Gravenhurst	155,208	87,629 97	265,614 71	353,244 68	2 28	....
St. Mary's-on-the-Lake Sanatorium	Haileybury	36,228	20,068 67	45,064 28	65,132 95	1 80	19,599 26
Mountain Sanatorium	Hamilton	247,925	130,509 32	379,374 02	509,883 34	2 06	....
Kingston Sanatorium	Kingston	16,924	8,275 76	29,755 03	38,030 79	2 25	....
Freeport Sanatorium	Kitchener	52,868	23,138 61	68,297 30	91,435 91	1 73	1,324 41
Queen Alexandra Sanatorium	London	196,394	109,174 77	327,178 57	436,353 34	2 22	....
Royal Ottawa Sanatorium	Ottawa	71,044	29,605 95	126,403 16	156,009 11	2 20	8,368 62
Niagara Peninsula Sanatorium	St. Catharines	30,402	17,673 73	60,615 66	78,289 39	2 58	....
Toronto Hosp. for Consumptives and Queen Mary H. for Con. Children	Weston	228,299	100,219 75	400,567 34	500,787 09	2 19	....
Essex County Sanatorium	Windsor	52,724	25,501 09	77,025 33	102,526 42	1 94	....
Totals		1,210,260	616,982 11	1,939,803 90	2,556,786 01	2 11	37,104 79

NOTE:—The I.O.D.E. Preventorium is now classified as a Convalescent Hospital.

SANATORIA FOR CONSUMPTIVES—1939 (Continued)

TABLE No. IV.—Showing the sources of income of sanatoria.

Name of Sanatoria	Location	Income from patients and their agencies for maintenance in sanatoria	Income from municipalities	Sundry income, including Christmas seals	Income from out-patient service	Income from earnings on investments, endowments, etc.	Total income from all sources other than Government grant and Trustees' Funds	*Trustees' Funds received during the year
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	5.490 58			1,529 00	2,972 41	9,991 99	6 251 64
St. Lawrence Sanatorium	Cornwall	2,380 65	5,000 00	1,342 45	1,981 75		10.704 85	12.258 79
Fort William Sanatorium	Fort William	22,423 35		15 50	2.498 92		24.937 77	704 65
Muskoka Hospital for Consumptives	Gravenhurst	32.603 82	74 72	4.355 17	3.093 00	61,529 19	101.655 90	8,950 61
St. Mary's-on-the-Lake Sanatorium	Haileybury	7,854 23		11,703 48	886 78		20,444 49	
Mountain Sanatorium	Hamilton	47.575 11	489 69	11,088 62	7,187 82	3,886 52	70,227 76	62 931 58
Kingston Sanatorium	Kingston	5.219 00		414 61			5.633 61	
Freeport Sanatorium	Kitchener	4.043 92	1.324 41	2,581 94	2.866 15	833 37	11,649 79	2,781 28
Queen Alexandra Sanatorium	London	51.149 47	284 29	14.407 94	3,736 00	16,330 04	85.907 74	1 084 62
Royal Ottawa Sanatorium	Ottawa	11.579 24	4.500 56	878 51	4,290 00		21.248 31	300 00
Niagara Peninsula Sanatorium	St.Catharines	7,757 86	5,462 50	6,821 83	5.169 50	2,344 64	27,556 33	2,620 60
Toronto H. for Consumptives & Queen Mary H. for Con. Chil.	Weston	37.148 17	350 69	15.360 73	474 00	25,437 58	78,771 17	16 861 57
Essex County Sanatorium	Windsor	3.127 08		90 27	2,685 00	443 09	6,345 44	
Totals		238.352 48	17,486 86	69.061 05	36,397 92	113,776 84	475.075 15	114 745 34

*NOTE:—Trustees' Funds represent legacies, bequests, donations, etc., which may be used for capital purposes, invested in semi-permanent investments or used for general purposes at the discretion of the sanatorium boards of directors.

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Sanatoria	Location	Days at $2.00	Infant days at $1.00	Amount	Adjustments		Total Government grant
					CREDIT	DEBIT	
				$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	27,367		54,734 00			54.734 00
St. Lawrence Sanatorium	Cornwall	39,581		79.162 00		69 92	79,092 08
Fort William Sanatorium	Fort William	45.312		90,624 00			90,624 00
Muskoka Hospital for Consumptives	Gravenhurst	151.708		303.416 00	57		303.416 57
St Mary's-on-the-Lake Sanatorium	Haileybury	33.662	89	67,413 00			67.413 00
Mountain Sanatorium	Hamilton	237,988	201	476.177 00	27 07	216 00	475,988 07
Kingston Sanatorium	Kingston	15,692		31.384 00			31.384 00
Freeport Sanatorium	Kitchener	52,163		104.326 00		28 22	104.297 78
Queen Alexandra Sanatorium	London	181,944		363.888 00	422 85	527 60	363 783 25
Royal Ottawa Sanatorium	Ottawa	70.436		140.872 00		48 87	140.823 13
Niagara Peninsula Sanatorium	St. Catharines	29.225		58,450 00		1 72	58.448 28
Toronto Hosp. for Consumptives and Queen Mary Hosp. for Con. Children	Weston	218,672	313	437,657 00		506 58	437,150 42
Essex County Sanatorium	Windsor	52.201		104,402 00			104,402 00
Totals		1,155,951	603	2,312,505 00	450 49	1,398 91	2,311,556 58

LICENSED PRIVATE HOSPITALS AND REST HOMES as at SEPTEMBER 30th, 1939

Location	Name of Hospital	Licencee	Type	Bed Capacity
Private Hospitals				
Campbellford	Campbellford Private Hospital	Dr. E. A. Stuart	Medical, Surgical and Maternity	10
Chesley	Anne Buckland Private Hospital	Mrs. A. Buckland, Reg. N.	Medical, Surgical and Maternity	7
Copper Cliff	International Nickel Co. Private Hospital	International Nickel Co., Limited	Medical and Surgical	33
Fort Frances	Dr. O'Donnell's Private Hospital	Dr. J. E. O'Donnell	Medical, Surgical and Maternity	10
Fort Frances	Dr. McKenzie's Private Hospital	Dr. D. C. McKenzie	Medical, Surgical and Maternity	17
Fort William	Margaret Jane Dewar Private Hospital	Dr. R. Kerr Dewar	Medical, Surgical and Maternity	6
Galt	Oak Street Nursing Home	Miss Edith M. Renwick, Reg. N.	Medical	10
Hamilton	Salvation Army Maternity Hospital	Salvation Army	Maternity	22
Havelock	Havelock Private Hospital	Mrs. Lucinda Cummins	Medical, Surgical and Maternity	7
Hawkesbury	Hawkesbury Private Hospital	Dr. T. W. Smith	Medical, Surgical and Maternity	12
Hawkesbury	Hospital of the Asylum of the Good Shepherd of Quebec	Asylum of the Good Shepherd	Maternity	27
Hawkesbury	Dr. Kelly's Private Hospital	Dr. E. P. Kelly	Medical, Surgical and Maternity	12
Kapuskasing	Sensenbrenner Private Hospital	Spruce Falls Power & Paper Co.	Medical, Surgical and Maternity	50
Kirkland Lake	Cairns Private Hospital	Mrs. Mary Moffatt	Medical, Surgical and Maternity	9
Leamington	Hopewell Private Hospital	Miss Mary Dinning, Reg. N.	Medical, Surgical and Maternity	18
Little Britain	Little Britain Private Hospital	Miss Nora J. Sweetman, Reg. N.	Medical, Surgical and Maternity	12
Little Long Lac	Little Long Lac Gold Mines Hospital	Little Long Lac Gold Mines, Limited	Medical, Surgical and Maternity	12
London	Salvation Army Bethesda Hospital	Salvation Army	Maternity	21
London	Craigview Private Hospital	Mrs. W. V. Summerfield	Medical	7
Markdale	Markdale Private Hospital	Dr. R. L. Carefoot	Medical, Surgical and Maternity	12
Oakville	MacDonald House	Mrs. Jane Taylor	Maternity and Medical	9
Ottawa	Rideau Private Hospital	Mrs. Oliva Farley	Medical, Surgical and Maternity	18
Ottawa	Hartington Nursing Home	Mrs. Mabel Dier Thomas, Reg. N.	Medical	12
Port Perry	Port Perry Private Hospital	Mrs. Nellie Whitmore, Reg. N.	Medical, Surgical and Maternity	9
Preston Springs	Preston Springs Sanatorium	Drs. L. G. and J. E. Hagmeier	Medical, Surgical and Maternity	50
Red Lake	Howey Gold Mines Private Hospital	Dr. T. J. Goodison	Medical and Surgical	4
Smooth Rock Falls	Smooth Rock Falls Private Hospital	Abitibi Power & Paper Co.	Medical, Surgical and Maternity	11
Stouffville	Brier Bush Private Hospital	Mrs. E. R. Good	Medical, Surgical and Maternity	16
Sutton West	Sutton Private Hospital	Miss Elsie V. King	Medical, Surgical and Maternity	10
Thorold	Maple Hurst Private Hospital	Miss F. L. Stevenson, Reg. N.	Medical, Surgical and Maternity	23
Toronto—200 Danforth Ave.	Albany Private Hospital	Mrs. Elizabeth McCulloch	Medical, Surgical and Maternity	18
862 College St.	Clifton Memorial Nursing Home	Miss Alice M. Jeffrey	Medical and Surgical	10
538 Brunswick Ave.	Conway Nursing Home	Mrs. Edith H. Robinson	Medical, Surgical and Maternity	12
921-923 College St.	Duke-Fingard Inhalation Hospital	Dr. A. G. McPhedran	Medical, Surgical, or 73-day Patients	28
94 Isabella St.	Isabella Private Hospital	Mrs. Jessie Urquhart	Medical, Surgical and Maternity	10
429 Walmer Rd.	Metcalfe Nursing Home	Mrs. Marjorie Metcalfe	Medical	12
880 St. Clair W.	Oakwood Clinic Hospital	Dr. W. S. Grimshaw	Medical, Surgical and Maternity	10
53 Harvie Ave.	St. Clair Private Hospital	Dr. Harold E. Baker	Maternity	4
550 Jarvis St.	St. Mary's Private Hospital	Sisters of Misericorde	Medical, Surgical and Maternity	25
626 Church St.	Mrs. Stewart's Rest Home	Mrs. Esther C. Stewart	Medical and Surgical	4
432 Sherbourne St.	Stirling Rest Home	Miss Catherine Stirling, Reg. N.	Medical and Surgical	14
32 Gothic Ave.	Strathcona Private Hospital	Mrs. Jean I. Nesbitt, Reg. N.	Medical, Surgical and Maternity	25
56 Isabella St.	Victoria Memorial Hospital	Miss Annie Pringle, Reg. N.	Medical, Surgical and Maternity	25
Vankleek Hill	Vankleek Hill Private Hospital	Dr. A. McDonald	Medical, Surgical and Maternity	10
Weston	Cottage Nursing Home	Mrs. Margaret Pudifin	Medical, Surgical and Maternity	14
Wiarton	Porter Private Hospital	Mrs. Eva Porter	Medical, Surgical and Maternity	9
Convalescent Hospitals				
Cobourg	Brookhurst Convalescent Home	Miss Effie C. Bolster, Reg. N.	Convalescent	5
Delhi	Coronation Convalescent Home	Mrs. W. L. Britton	Convalescent	10
Toronto—867 College St.	Allen Rest Home	Miss Catherine Osborne	Convalescent	14
10 Homewood Place	Homewood Rest Home	Miss Rosa Middleton, Reg. N.	Convalescent	8
Rest Homes				
London	Community Private Hospital	Mrs. G. A. Watson	Rest Home	4
London	Queen's Private Rest Home	Miss Jean McDermid	Rest Home	5
Markham	Glen Rouge Rest Home	Miss A. Elsie Mayhew	Rest Home	4
Pendleton	Henry Moffatt Memorial Rest Home	Miss Irene Tucker, Reg. N.	Rest Home	10
Toronto—56 Huntley St.	Wood Royal Nursing Home	Mrs. M. J. Smith	Rest Home	10
York Mills	Pine Lodge Rest Home	Mrs. W. Turner	Rest Home	5

Annual Report

UPON THE

Prisons and Reformatories

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR ENDING 31st MARCH

1940

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 18, 1940

ONTARIO

TORONTO
Printed and Published by
T. E. Bowman, Printer to the King's Most Excellent Majesty
1940

INDEX

PAGE
Introduction by the Deputy Provincial Secretary........ 5

REFORMATORIES AND INDUSTRIAL FARMS

Ages 10
Crimes 12–13
Criminal History 9
Educational Status 9
Employees, Number of........ 11
Employment, of Prisoners in Institutions........ 11
Escapes 11
Expenditure and Revenue 15
Habits as to Use of Intoxicants........ 9
Habits as to Use of Drugs........ 9
Maintenance Cost 14
Movement of Population........ 8
Nationalities 9
Occupation 9
Officers, Number of........ 11
Parole Board of Ontario Report........ 25
Salvation Army Report........ 27–29
Sentences, Length of........ 10
Social Conditions 9
Superintendents' Institution Reports........ 16–24
  Mercer Reformatory, Toronto........ 24
  Industrial Farm, Burwash........ 21–22
  Industrial Farm Monteith........ 23
  Ontario Reformatory, Mimico........ 19–20
  Ontario Reformatory, Guelph........ 16–18

CITY, COUNTY AND DISTRICT GAOLS

Comparative Statistics, Total of all Gaols........ 31–33
Ages 44–45
Committals 44–45
Crimes 34–35
Criminal History 44–45
Educational Status 46
Escapes 42
Gaol Officials and Salaries........ 31–37
Habits in Relation to Intoxication........ 46–47
Maintenance Cost 56
Movement of Population, each Gaol........ 38–48
Number of Prisoners (Least and Greatest)........ 54
Sentences (Length of)........ 50–53
Social Status (Married or Single)........ 46–49
Transfers 48–49

To The Honourable Albert Matthews,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present the Annual Report upon the Prisons and Reformatories of the Province of Ontario for the year ending 31st, March, 1940.

Respectfully submitted,

H. C. NIXON,
Minister.

Honourable Harry Corwin Nixon,
Provincial Secretary of Ontario.

Sir:

In presenting the reports on the Reformatories and Prisons of Ontario for the year ending March 31, 1940, it is pleasing to note a reduction from the previous year in committals from 34,914 to 33,075 and in the number sentenced from 27,926 to 26,543. Although the number in each of these categories is still very high, the reduction is in somewhat happy contrast to the previous year, when it was necessary to report that an all time high had been established in both committals and sentences.

The following table shows the number in all the years from 1913 forward.

Year ending September 30th	Approximate population of Ontario.	Persons Committed for Trial	Persons Sentenced to Prison
1913	2,767,000	19,250	11,897
1914	2,770,000	22,777	14,801
1915	2,788,000	20,337	12,663
1916	2,728,000	16,100	9,364
1917	2,750,000	12,445	7,867
1918	2,769,000	13,242	7,874
1919	2,821,000	13,096	7,904
1920	2,849,000	14,756	8,643
1921	2,934,000	16,800	9,790
1922	3,101,000	14,800	9,312
1923	3,035,000	13,995	8,036
1924	3,075,000	15,879	8,834
1925	3,115,000	18,023	11,306
1926	3,151,000	18,033	11,371
1927	3,176,000	20,578	13,927
1928	3,241,000	23,786	16,358
1929	3,285,000	25,980	17,626
1930	3,366,000	29,126	21,421
1931	3,432,000	26,358	18,127
1932	3,479,000	25,235	15,804
1933	3,510,000	22,484	14,538
1934	3,540,000	20,916	13,509
Year ending March 31, 1936	3,690,000	24,053	16,356
1937	3,711,000	27,592	20,618
1938	3,731,000	30,345	23,649
1939	3,750,000	34,914	27,926
1940	3,755,000	33,075	26,543

Note: The fiscal year was changed in 1935 to end March 31.

At this time when we are again at war, it is interesting to note the number of committals during the war 1914-1918. Strangely, the all time high for that period was established in 1914. Then after the first year of that war the number rapidly decreased until 1917. At that point the decreasing number of criminal and civil committals and sentences was offset by an increasing number of military sentences, making the total number approximately constant. That decrease was caused by great expansion in industrial and agricultural activity with resultant plentitude of work, recruiting for military service and intensified patriotism.

Since the present war started, industrial activity has greatly increased, there is increased demand for agricultural labour, recruiting for Military, Air and Naval Services has absorbed large numbers of men, patriotism certainly has intensified and the result as far as our penal institutions is concerned is a decrease in their number of prisoners. Therefore, the situation since the present war started is parallel with that in the same period of the former war and we can reasonably expect that it will continue for some time, if, of course, the war is one of several years duration.

Following the outbreak of war last September, the Ontario Hospital, St. Thomas, was transferred to the Royal C.A.F. Space elsewhere had to be provided for the one thousand patients. The Industrial Farm, Langstaff, therefore, was designated as an Ontario Hospital and arrangements were made to take care of the four hundred prisoners who were there. Fortunately, the new cell block at the Ontario Reformatory, Guelph, has been completed and both cell and dormitory space were filled.

The Department of Public Highways and this Department jointly established three camps east of Longlac on the route of the proposed highway from Longlac to Hearst. The first camp for one hundred was filled to capacity in January, the second for fifty in February and the third for one hundred just after the close of the fiscal year. These two hundred and fifty prisoners have since been engaged in clearing the right-of-way and constructing the new highway. Each prisoner at those camps can earn a maximum of 20 cents per diem.

The transfer of the Langstaff prisoners materially increased the prison population at the Ontario Reformatory, Guelph, and the Industrial Farm, Burwash, but in these and other institutions in general the discipline was excellent. The improved staffs are producing this and other good results.

It is an old and true axiom in penology that prisoners must be given useful work in proper quantity during their sentences or reformation will be very uncertain. This condition is amply met in the Reformatories and Industrial Farms. There the prisoners in healthy conditions are taught the habit of work and learn something which if used will assist them in earning an honest living.

In the Gaols gradual improvement in the buildings and equipment has made living conditions reasonably good but there is still the lack of sufficient useful work. This condition is ameliorated by transfer of gaol prisoners to Reformatories and Industrial Farms whenever accommodation there is available and transfers are practicable.

The attached statistics show that the great majority of our prisoners are young, Canadian-born, unskilled in any trade and low in education. There is the usual large annual crop of first offenders, most of them comparatively young, many of them in the teen age class. Efforts toward reformation are particularly directed toward these young ones who are potential good citizens but who are unfortunately also potential serious liabilities.

The Parole System which has become an accepted part of rehabilitation work continues to be a useful stepping stone by which many prisoners return to full useful citizenship.

The Industrial work of the institutions functioned smoothly throughout the year and on the farms the crops were bounteous and properly harvested.

Because of the good work of the officials and officers we heartily commend them collectively and individually. A substantial number of them have gone with the C.A.S.F. the R.C.A.F. or the Royal Canadian Navy. We wish them Godspeed and safe return.

Officials of the Department take this opportunity to express appreciation of the assistance given by many private citizens and officials of other Departments in the work of our institutions and our gratitude to you for your able and sympathetic direction.

C. F. Neelands,
Deputy Provincial Secretary.

TABLE No. 1

Movement of Population in Ontario Reformatories and Industrial Farms.
April 1st, 1939, to March 31st, 1940.

	Ontario Reformatory Guelph	Ontario Reformatory Mimico	Industrial Farm Burwash	Industrial Farm Monteith	Andrew Mercer Reformatory Toronto	Total
Remaining in Custody April 1st, 1939	677	280	693	74	107	1,831
Committed during the year	1,361	1,132	1,101	627	317	4,538
Re-admitted from Penitentiaries	....	....	4	....	....	4
Re-admitted from Gaols and other Institutions	3	1	9	3	1	17
Parole Violators re-admitted	17	2	7	....	8	34
Ticket-of-Leave Violators re-admitted	....	....	....	....	....	....
Number admitted en route to Guelph and Burwash	....	556	....	....	....	556
Total Number in Custody during the Year.	2,058	1,971	1,814	704	433	6,980
Discharged on expiration of sentence	651	837	831	619	216	3,154
Discharged by ticket-of-leave	82	28	7	1	....	118
Discharged by Parole Board	412	103	118	....	72	705
Discharged by payment of fines	4	14	7	....	6	31
Discharged by remission of sentence	50	17	3	....	5	75
Discharged by Order-in-Council	2	19	1	1	....	23
Discharged by Minister of Justice	4	....	12	....	....	16
Released on Bail	....	1	....	....	....	1
Transferred to Hospital	....	2	3	....	....	5
Transferred to Hospital for the Mentally ill	8	4	3	....	8	23
Transferred to Other Institutions	13	147	175	....	1	336
Returned to gaols	3	33	11	7	....	54
Deported	9	2	9	....	1	21
Released or transferred for other reasons ...	1	555	57	....	....	613
Escaped and not recaptured up to March 31st, 1940	....	2	1	....	....	3
Died while in custody	2	....	1	....	....	3
Total number discharged, released, died, etc.	1,241	1,764	1,239	628	309	5,181
Number remaining in custody, March 31st, 1940	817	207	575	76	124	1,799

The following tables show Social Conditions; Educational Status; Habits as to use of Intoxicants and Drugs; Nationalities; Occupations and Criminal History of Prisoners Committed to Ontario Reformatories and Industrial Farms for the year ending March 31st, 1940.

	Ontario Reformatory Guelph	Ontario Reformatory Mimico	Industrial Farm Burwash	Industrial Farm Monteith	Andrew Mercer Reformatory Toronto	Total
2. Social Conditions						
Married	327	415	385	140	155	1,422
Single	1,034	654	684	457	137	2,966
Widowed	....	54	24	30	21	129
Divorced	....	9	8	....	4	21
3. Educational Status						
Illiterate	95	34	48	46	17	240
Elementary	929	829	789	509	244	3,300
High School	319	247	229	58	56	909
College or University	18	22	35	14	....	89
4. Habits as to use of Intoxicants						
Abstainers	260	128	35	30	75	528
Temperate	836	129	346	200	99	1,610
Intemperate	265	875	720	397	143	2,400
5. Habits as to use of Drugs						
Abstainers	1,361	1,132	1,024	625	299	4,441
Addicts	....	....	77	2	18	97
6. Nationalities						
Canadian born	1,156	772	905	491	251	3,575
English	55	97	44	8	25	229
Irish	20	91	22	13	3	149
Scotch	29	64	28	13	12	146
United States	28	16	24	12	13	93
Other	73	92	78	90	13	346
7. Criminal History						
First time	339	726	69	260	159	1,553
Second time	239	131	87	115	54	626
Third time	214	58	126	80	31	509
More than third time	569	217	819	172	73	1,850
8. Occupation						
Agricultural	89	68	50	40	....	247
Commercial	346	314	120	39	11	830
Domestic	2	16	61	23	240	342
Labourers	523	310	519	264	....	1,616
Mechanics	144	393	335	259	....	1,131
Professional	6	22	3	1	....	32
No occupation	238	9	13	1	66	327
Miscellaneous	13	....	....	....	....	13

Length of Sentences received by Prisoners committed in the Ontario Reformatories and Industrial Farms and their Ages.

	Ontario Reformatory Guelph	Ontario Reformatory Mimico	Industrial Farm Burwash	Industrial Farm Monteith	Andrew Mercer Reformatory Toronto	Total
9. Ages of Prisoners						
15–19	617	21	23	44	80	785
20–24	297	129	301	91	71	889
25–29	138	125	192	112	50	617
30–34	86	127	152	92	32	489
35–39	85	152	151	119	33	540
40–44	42	158	83	53	16	352
45–49	38	119	69	53	15	294
50–54	25	116	57	33	10	241
55–59	10	86	43	17	4	160
60–64	14	54	18	4	3	93
65–69	5	34	8	8	1	56
70 and over	4	11	4	1	2	22
10. Length of Sentences						
Definite						
Under 30 days	......	......	......	1	4	5
30 days and under 60	2	370	......	323	41	736
2 Months and under 3	10	252	7	82	40	391
3 " " " 4	94	236	93	150	40	613
4 " " " 5	35	71	41	11	12	170
5 " " " 6	5	4	15	1	1	26
6 " " " 9	132	60	194	56	31	473
9 " " " 12	17	6	40	2	5	70
12 " " " 15	143	20	156	......	13	332
15 " " " 18	8	2	21	......	4	35
18 " " " 21	30	3	43	1	4	81
21 " " " 24	63	11	52	......	1	127
Indefinite						
3 Months to 6 Months	107	21	54	......	3	185
3 " to 9 "	11	1	5	......	......	17
3 " to 12 "	8	......	2	......	......	10
3 " to 18 "	......	......	......	......	......	......
3 " to 24 "	......	......	......	......	......	......
6 " to 9 "	92	18	36	......	2	148
6 " to 12 "	46	10	31	......	11	98
6 " to 18 "	8	......	1	......	......	9
6 " to 24 "	1	......	......	......	......	1
9 " to 12 "	26	12	20	......	......	58
9 " to 18 "	3	1	2	......	......	6
9 " to 24 "	......	1	......	......	......	1
12 " to 18 "	60	22	36	......	1	119
12 " to 24 "	26	3	14	......	1	44
18 " to 24 "	30	6	13	......	......	49
24 " to 36 "	12	2	......	......	......	14
24 " to 48 "	6	......	2	......	......	8
Miscellaneous	386	......	223	......	103	712

Number of prisoners who escaped and evaded capture; number who escaped and were recaptured; employment of prisoners and number of officers and employees.

	Ontario Reform-atory Guelph	Ontario Reform-atory Mimico	Indus-trial Farm Bur-wash	Indus-trial Farm Mon-teith	Andrew Mercer Reform-atory Toronto	Total
11. Escapes						
Escaped and evaded capture	....	1	....	....	....	1
Escaped and were recaptured	18	2	8	....	1	29
12. Employment of Prisoners in the Institution during the Year (Per Centage)						
Clerical	1.80	1.78	1.08	1.00	....	....
General Maintenance	41.60	27.13	60.15	20.00	56.00	....
Sick	3.25	.09	2.00	2.00	4.00	....
Bush Operations	....	....	9.23	25.00	....	....
School	2.95	....	....	....	....	....
Industrial	25.75	46.00	5.45	....	38.00	....
Farm and Garden	16.55	25.00	14.55	32.00	2.00	....
Land and Road Improvement	8.10	....	7.54	20.00	....	....
13. Number of Officers and Employees on March 31st						
Superintendent	1	1	1	....	1	4
Physicians	2	1	3	1	2	9
Dentists	1	1	1	....	1	4
Teachers	2	....	2	....	1	5
Bursars or Stewards	....	....	....	....	1	1
Storekeepers	1	....	1	....	....	2
Asst. Storekeepers	1	....	....	....	....	1
Accountants, Clerks, Stenographers, etc.	11	2	7	1	2	23
Sergeants (Day)	1	1	1	1	....	4
Asst. Day Sergeants	1	1	3	....	....	5
Night Sergeants	1	1	....	....	....	2
Asst. Night Sergeants	....	....	1	....	....	1
Guards (Day) or Attendants	73	20	84	8	16	201
Guards (Night) or Attendants	22	9	23	2	3	59
Kitchen and Dining Room Help	1	....	....	....	....	1
Nurses	....	1	2	....	1	4
Farmers, Gardeners and Assts.	2	....	1	....	1	4
Engineers and other Mechanical Help	8	2	7	1	6	24
All other Employees	14	....	2	....	2	18
Total	142	40	139	14	37	372

TABLE

Offences for which Prisoners were committed during the

	Ontario Reform-atory Guelph	Ontario Reform-atory Mimico	Indus-trial Farm Bur-wash	Indus-trial Farm Mon-teith	Andrew Mercer Reform-atory Toronto	Total
A. Crimes Against the Person						
Abduction	2	......	......	......	......	2
Abortion	2	......	......	......	4	6
Assault Common	2	6	31	36	2	77
Assault Felonious	18	21	......	......	1	40
Attempted Suicide	......	......	2	2	4	8
Cutting and Wounding and attempting same	4	......	6	......	1	11
Shooting with intent	......	......	......	......	......	......
Stabbing	......	......	......	1	......	1
Manslaughter	4	3	3	1	......	11
Carnal Knowledge	17	2	2	......	......	21
Incest	2	......	1	......	......	3
Rape and Assault with intent	......	......	......	......	......	......
Total	51	32	45	40	12	180
B. Crimes Against Property						
Arson and Incendiarism	6	1	3	1	......	11
Breaking and Entering	45	47	50	26	1	169
Burglary	4	......	148	......	......	152
Housebreaking	101	12	12	1	......	126
Robbery	70	6	30	2	5	113
Forgery	15	......	14	5	7	41
Fraud	......	16	2	13	1	32
False Pretences	55	54	50	2	8	169
Shopbreaking	224	......	12	......	......	236
Theft of Cars	190	16	90	2	......	298
Taking without owner's consent	47	5	5	......	......	57
Larceny or Theft	275	200	232	85	20	812
Receiving Stolen Goods	40	28	46	28	1	143
Trespass	1	......	2	......	......	3
Total	1,073	385	696	165	43	2,362

No. 14.
year to Ontario Reformatories and Industrial Farms.

	Ontario Reformatory Guelph	Ontario Reformatory Mimico	Industrial Farm Burwash	Industrial Farm Monteith	Andrew Mercer Reformatory Toronto	Total
C. Crimes Against Public Morals and Decency						
Bigamy	6	2	2	......	2	12
Indecent Assault	32	8	9	......	......	49
Indecent Exposure or other Indecent Act	3	3	6	1	2	15
Inmates and Frequenters of Houses of Ill-fame	......	......	......	......	6	6
Keeping Houses of Ill-fame	4	10	9	......	33	56
Juvenile Delinquency	9	10	11	......	14	44
Perjury	8	......	3	......	4	15
Prostitution	......	1	......	......	17	18
Seduction	5	1	2	......	......	8
Buggery	9	......	1	......	......	10
Total	76	35	43	1	78	233
D. Crimes Against Public Order and Peace						
Breach of Liquor Control Act	27	74	62	289	63	515
Breach of Excise Act	15	6	12	7	......	40
Breach of Narcotic or Drug Act	2	1	68	......	7	78
Breach of By-laws	......	......	......	1	......	1
Carrying Unlawful Weapons	9	3	2	6	1	21
Cruelty to Animals	......	......	......	......	......	......
Drunk and Disorderly	......	406	5	......	1	412
Escaping from Constable	......	......	1	......	......	1
Escaping from Prison	5	3	4	......	1	13
Gambling	......	17	......	1	......	18
Obstructing an Officer	4	1	6	1	......	12
Unlawful shooting	......	......	......	......	......	......
Vagrancy	16	126	79	80	27	328
Total	78	637	239	385	100	1,439
E. Other Offences not Enumerated						
Total	83	43	78	36	84	324
GRAND TOTAL— Totals of A., B., C., D. and E.	1,361	1,132	1,101	627	317	4,538

ONTARIO REFORMATORIES AND INDUSTRIAL FARM

DEPARTMENT OF PROVINCIAL SECRETARY, REFORMATORIES AND PRISON BRANCH

Average maintenance cost per day per inmate for the twelve months from April 1, 1938 to March 31, 1939, and April 1, 1939 to March 31, 1940.

	Ontario Reformatory Guelph		Ontario Reformatory Mimico		Mercer Reformatory Toronto		Industrial Farm Burwash	
	1939	1940	1939	1940	1939	1940	1939	1940
Days' Residence of Inmates	242,239	264,870	73,010	81,970	39,318	49,031	242,742	279,143
Average No. of Inmates	663.7	723.7	200.3	224	107.7	134.	689.	762.7
EXPENDITURE								
Medicines	.0354	.0331	.0328	.0318	.0087	.0179	.0623	.0568
Provisions	.3395	.3211	.2474	.2133	.2398	.2256	.4441	.4057
Fuel, Light and Water	.1053	.0714	.0620	.0773	.1864	.1378	.1072	.0913
Clothing	.0895	.1140	0879	.0949	.0136	.0281	.1317	.1247
Laundry and Cleaning	.0379	.0275	.0581	.0617	.0613	.0491	.0317	.0341
Furniture and Furnishings	.0281	.0424	.0425	0103	.0383	.0315	.0309	.0402
Office Expenses	.0124	.0095	.0143	.0126	.0142	.0147	.0054	.0099
Farm, Feed and Fodder Expense	.0999	.0842	.0858	.0781	0174	.0106	.0743	.0989
Contingencies	.0545	.0498	.0629	.0840	.0490	.0489	.0763	.0878
Repairs to Buildings	.1298	.1026	.1323	.0974	.1230	.0792	.1307	.1374
Salaries	.6514	.6011	.6815	.6556	1.1004	.9151	.7025	.6679
Industrial Operations	2.3070	2.0883	.3807	.2445	3.2739	2.3621	0752	.0964
Total Gross Per Capita	$3.8907	$3.5450	$1.8882	$1.6615	$5.1260	$3.9206	$1 8723	$1.8511
REVENUE								
Custodial Revenue	.1170	.1070	.1342	.1192	.1072	.0966	1311	.1299
Perquisites	.0548	.0446	.0412	.0368	.1946	.1658	.1609	.1449
Industrial Revenue	2.3830	2.1127	.8689	.2453	3.3807	2.4761	0785	.0580
Total Revenue Per Capita	2.5548	2.2643	1.0443	.4013	3.6825	2.7385	.3705	.3328
Net Per Capita Cost	$1.3359	$1.2807	$ .8439	$1.2602	$1.4435	$1.1821	$1.5018	$1.5183

	Total Gross Expenditure		Total Revenue		Total No. of Days' Stay	
	March 31 1939	March 31 1940	March 31 1939	March 31 1940	March 31 1939	March 31 1940
Ontario Reformatory, Guelph	942,488.50	938,981.17	618,876.30	599,768.23	242,239	264,870
Ontario Reformatory, Mimico	137,857.50	136,189.06	76,240.93	32,892.84	73,010	81,970
Mercer Reformatory, Toronto	201.545,73	102,232.58	144,788.89	134,270.88	39,318	49,031
Industrial Farm, Burwash	454,499.52	516,731.44	89,954.23	92,886.77	242,742	279,143
	1,736,391.25	1,784,134.25	$929,860.35	$859,818.72	597,309	675,014
Less Revenue	929,860.35	859,818.72				
	$806,530.90	$924,315.53				

Average Per Capita Cost per Diem, 1938-39. .$1.3503
Average Per Capita Cost per Diem, 1939-40. .$1.3693

COMPARATIVE EXPENDITURE AND REVENUE FOR THE TWELVE MONTHS ENDING MARCH 31st, 1939 AND MARCH 31st, 1940.

	EXPENDITURE				REVENUE			
	March 1939	March 1940	Increase	Decrease	March 1939	March 1940	Increase	Decrease
Ontario Reformatory, Guelph—								
General Maintenance	$194,430.99	$199,461.93	$5,030.94		$41,613.70	$40,163.69		$1,450.01
Repairs to Buildings	31,442.01	27,184.59		$4,257.42				
Salaries	157,803.14	159,226.98	1,423.84					
Industries	558,812.36	553,107.67		5,704.69	577,262.60	559,604.54		17,658.06
Ontario Reformatory, Mimico—								
General Maintenance	50,650.11	54,421.60	3,771.49		12,801.85	12,785.95		15.90
Repairs to Buildings	9,658.04	7,985.67		1,672.37				
Salaries	49,754.17	53,738.40	3,984.23					
Industries	27,795.18	20,043.39		7,751.79	63,439.08	20,106.89		43,332.19
Mercer Reformatory, Toronto—								
General Maintenance	24,719.87	27,664.88	2,945.01		11,867.18	12,865.40	998.22	
Repairs to Buildings	4,836.01	3,885.32		950.69				
Salaries	43,267.23	44,867.67	1,600.44					
Industries	128,722.62	115,814.71		12,907.91	132,921.71	121,405.48		11,516.23
Industrial Farm, Burwash—								
General Maintenance	233,991.27	265,019.51	31,028.24		70,891.94	76,690.43	5,798.49	
Repairs to Buildings	31,731.64	38,349.50	6,617.86					
Salaries	170,532.82	186,443.37	15,910.55					
Industries	18,243.79	26,919.06	8,675.27		19,062.29	16,196.34		2,865.95
TOTALS	1,736,391.25	1,784,134.25	$80,987.87	$33,244.87	$929,860.35	$859,818.72	$6,796.71	$76,838.34

Increase in Ordinary Expenditure—$47,743.00. Decrease in Ordinary Revenue—$70,041.63

Reformatories

THE ONTARIO REFORMATORY, GUELPH.

May 15, 1940.

Dear Sir:

The attached statistical report of the Ontario Reformatory, Guelph, covers the fiscal year ending March 31, 1940.

1,361 were committed to this institution during the year which is an increase of 270 over the preceding year. Our average daily population was 724. 914 admissions were under the age of twenty-five years. 704 admissions were under the age of twenty-one years, which is only four more admissions than the preceding year in this most important group. Our increased population then was due to a rearrangement of our institution's capacity by the addition of our new cell block, and the release of one of our other Government institutions for war service.

337 commitments were first time convictions and for one offence. An additional 220 were first time convictions, but they were serving time for more than one offence. This 557 or 40.8% of our total commitments were "first termers". 353 had appeared in Court once previously on one or more charges; 451 had appeared in Court twice to many times previously with multiple dispositions.

Recidivism to our institution shows that 187 or 13.7% of the total commitments were our own failures, insomuch that they had been here previously. 172 had been in Industrial Schools; 11 had served previous penitentiary terms and 32 had served previous sentences in our other Ontario Reformatories. 284 had served gaol sentences previously. It is interesting to note that 492 of our commitments had been given suspended sentence previous to their term of imprisonment or 36.1% of our total.

Of the 1,361 commitments, 1,258 were given intelligence and educational tests. 103 were not tested because they were doing three months or less. Any of those falling below a score which would indicate sub-normality were sent on to our Medical Officer for a psychiatric examination. The intelligence rating on the 1,258 showed:

Borderline intelligence and below, (high, middle and low grade morons)	237	or	18.84%
Dull normal	436	or	34.65%
Normal	558)		
Superior	27)	or	46.51%
	1,258		100.00%

The educational status claimed by the inmates showed:—

Illiterate	95
Elementary	929
High School	319
College or University	18
	1,361

The educational status shown by actual educational tests on 1,258 showed:—

Grade V and below	857
Grades VI and VII	271
Entrance and above	130
	1,258

The startling result of this survey is that only 10% of our inmates have entrance standing or better, while 68% have grade V or below.

Eighteen escapes were made or attempted and eighteen were recaptured.

The general health of the inmates was good. Two deaths occurred, one from a gangrenous appendix following operation, the other from a coronary thrombosis. The incidence of venereal disease in our inmate admissions shows that 2.71% had syphilis and 1.46% had gonorrhea. 34 operations were performed,—15 appendectomies, 14 radical cures of hernia and 5 tonsillectomies. 8 inmates were transferred to the Ontario Mental Hospitals during the year for treatment of mental illness. The dental clinic gave 2,588 treatments during the year.

The school had a successful year. Splendid progress was made with the illiterates of normal intelligence. 8 pupils wrote the entrance examinations and 8 were successful. The night vocational classes were well attended. Classes are given by our officers in Tailoring, Electrical Work, Motor Mechanics, Machine Shop Practice, Laundry and Dry Cleaning, Bookkeeping and Stenography, Music and Orchestral Work. A barbering class has also been quite popular. Music from an orchestra has become part of our physical training and has added greatly to its interest.

The library books at the end of the year totalled 5,680, an increase of 2,077 volumes in good condition over the preceding year. 453 volumes were discarded and 521 volumes sent to other provincial institutions. More reading is done in our new cell block than was possible in the dormitories, and I wish to thank the public libraries and interested friends for their donations of books.

Our new cell block was occupied during the past winter. It will fill a long needed want as a means of giving us better segregation of different classes of prisoners. The general behaviour in the dormitories has thus greatly improved because we have plenty of cells for those who cannot behave in dormitories. In general the whole tone of our institution is better.

Discipline was well maintained, during the year. This is a laconic phrase which means so much in the proper conduct of a Reformatory. I think of it as the discipline of a first class business firm with some of the discipline of a good home and a little of the discipline of a self-contained community thrown in. It is a poor reaction, first to the discipline of the home, then to the discipline of the school, and then to the discipline of the community that has brought the inmate to us. One of the first needs of this inmate is that he accept the discipline of this institution. Opportunities develop later to discover and help him with "how" he thinks and "what" he thinks. His place in the life, and varied industry of this institution teaches him his place in the outside community,—to work and create for the benefit of the whole. He learns to accept privileges and penalties, to know himself and to respect the good in others. Then if he can rationalize and supplant self-discipline for external discipline the game is won and he does not return to us, or further skirmishes with the law.

All the industrial departments operated adequately throughout the year. The total industrial revenue was $559,604.54, a decrease over the preceding year of approximately $20,000.00. This decrease in revenue is due in a large measure to reduction in overhead, particularly in respect to the abattoir. We have eliminated as far as this institution is concerned the cost of trucking, express and commissions. This is reflected of course in the lower revenue from abattoir sales. Our total profit from all industries for the year was $30,156.01.

In the auto marker plant, 743,032 pairs of license plates were made. This is a decrease of 50,122 pairs over the previous year.

In the abattoir, our total sales of products amounted to 2,233,662 pounds (an increase of 13,173 pounds over the previous year), with a value of $295,249.44.

Our cannery production was goods to the sales value of $84,496.78, which is an increase in the amount of products of some 31,271 No. 10 cans of fruits and vegetables, over the preceding year. Extra shifts were worked in this industry over several weeks.

The machine shop had a production of $32,471.78, which is $5,825.03 less than the previous year. We completed all the steel corridor grilles, fronts and locking devices for our new cell block.

The planing mill worked steadily throughout the year, turning out products valued at $8,995.84. This production was $2,843.79 less than the previous year.

The tailor shop production increased over the previous year to $49,075.58, which is an increase of $6,972.81 over the previous year. A great variety of articles are made, and amongst these 1,925 men's 3-piece tweed suits were manufactured.

The woollen mill produced grey and white blankets, mackinaw cloth and socks to the value of $28,112.66. 14,520 pairs of socks were knitted during the year.

On our farm, the crops were fair but the season was fairly dry. The total farm recoveries were $35,245.77, which is a decrease over the preceding year of $2,854.53. The hog production was slightly above the preceding year but the prices were lower so the hog revenue was down some $856.74.

We are very grateful to those who, during the year provided entertainment, religious services, and spiritual advice to our inmates.

I wish to commend my staff to you for their conscientious and loyal service, and especially those who put in extra hours, on vocational work, and when the rush of seasonal work demanded it. I wish to thank the Honourable Mr. Nixon, yourself and your staff for the help, courtesy and kindness extended to us throughout the year.

Yours very truly,

J. D. HEASLIP, M.D.,
Superintendent.

Mr. C. F. Neelands,
Deputy Provincial Secretary,
Parliament Buildings,
Toronto.

THE ONTARIO REFORMATORY, MIMICO.

May 15th, 1940.

DEAR SIR:

I wish to submit the following report covering the activities of the Ontario Reformatory, Mimico, for the fiscal year ending March 31st, 1940.

Since my last report there has been a considerable change in our inmate personnel. The handing over of the Ontario Hospital at St. Thomas to the Royal Canadian Air Force for a training centre, and the acquiring of the Toronto Municipal Farm at Langstaff for mental patients, necessitated the transfer of the longer term inmates from this Institution to the Ontario Reformatory, Guelph, in order that we might be in a position to receive the short term inmates from the Toronto Gaol previously admitted at Langstaff. This has brought about a change in the class of inmate now being admitted to this Institution, as well as a greater turnover in men. Our average admissions per month for the first five months of the year was 31 and the last seven months of the year after closing Langstaff 162.

Discipline for the period has been well maintained, no serious breaches being reported and few of a minor nature.

Health of inmates has been very good. There were no epidemics. One case of scarlet fever developed and was promptly transferred to the Toronto Isolation Hospital.

Providing labour for the past several months has been at times a problem. At the outbreak of War building operations were suspended by the Government thereby depriving our industrial plant of a market for it's products, with the exception of floor, wall and roofing tile, which were not of sufficient quantity to warrant a continuance of operations, the plant which was at the time closed for repairs was not re-opened. This decision however, has enabled us to utilize a considerable number of inmates in the cleaning of the mill, yard, and pit, etc. Also, last fall we were fortunate in securing the lease of the vacant lot adjoining the Institution owned by the Canadian National Railways. This land comprising some 17 acres provided work for several months to all surplus men in the clearing and preparing the land for crops.

Farming operations were carried out last season with a fair amount of success. Owing to lack of moisture very few fields of hay were second cut, but did however, provide fairly good pasture. Corn and mangold crops were exceptionally good. A field of some nine acres adjoining the Institution and owned by the Ontario Highways Department was a valuable addition to the farm.

Our dairy herd is being brought up to a high state of perfection many of the cows topping their class in the Record of Performance Test. Many farmers of the District are purchasing our surplus calves, both male and female, for breeding purposes.

Farm products for the year were:—

Dairy Herd:—	365,180	Pounds of Milk.
	19	Calves sold for breeding and vealing.
	10	Calves raised for breeding.
	4	Cows culled from herd.
Swine:—	153	Hogs sold alive.
	1	Service boar sold for breeding.
	11	Brood sows sold for breeding.
Poultry:—	1,042½	Dozen Eggs.
	843½	Pounds Dressed Poultry.

If I am in order at this time, I would suggest when the Government again decides on a building program consideration be given to the erection of a small cell block at this Institution. We receive during the year many inmates who prefer a cell and many inmates who should be so segregated.

In conclusion I desire to express my personal thanks to the Hon. Mr. Nixon, yourself and staff for kindly counsel and valued assistance when called on. I wish to express my thanks and appreciation to officers and members of the staff of this Institution for co-operation and loyal support. I also wish to express our grateful thanks to Rev. M. G. B. Williams, (Anglican), Rev. C. E. Dyer, (United), Rev. Father McGrath (Roman Catholic), Mr. Hayhoe (Plymouth Brethren), various members of the Salvation Army and others who have taken care of the spiritual welfare of the inmates, or provided entertainment and reading material.

Yours sincerely,

J. R. ELLIOTT,
Superintendent.

Mr. C. F. Neelands,
Deputy Provincial Secretary,
Parliament Buildings,
Toronto.

INDUSTRIAL FARM, BURWASH.

May 22nd, 1940.

SIR:

I have the honour to forward the following report for the Industrial Farm, Burwash, for the year ending March 31st, 1940.

Owing to the Royal Canadian Air Force taking over the big Hospital at St. Thomas, and the moving of the patients to the Jail Farm at Langstaff and making a hospital of it, the inmate population at Burwash was considerably increased, and, in order to accommodate them, a new scheme was started. We built, in conjunction with the Department of Highways, two prison camps at Seagram, near Long Lac, where it is proposed to work on that section of the Highway between Long Lac and Hearst, employing young prisoners with good records and not too long sentences, giving them a larger gratuity, and striving to do three things: first, take care of the overflow or extra prisoners, secondly, give these young men a chance to reform and thus become good and useful citizens, and, thirdly, to complete the Highway, which could not be done under ordinary circumstances due to the exigencies of a war. At present, two Camps are built, housing 150 prisoners, and it is planned to build a third camp to house another hundred, giving us a total of 250 prisoners there at all times. These men were placed under the custody and instructions of qualified Officers from Burwash, with an engineer from the Department of Highways to lay out and supervise the actual road work.

At Monteith, which we use as an Annex for the prisoners from the North with short sentences, we had a very good year. Crops were good, discipline among the staff and inmates is good, and it has turned out to be a very valuable asset to this Department.

At Burwash we have had a very successful year. Our crops, owing to rain at the needed time, were excellent, and we will have three large stacks of hay left over for next year. Our potatoes and garden vegetables were particularly good. Our cattle, sheep and pigs increased in numbers and helped to cut down the cost of buying meat for the large number of prisoners that we have to feed. Our dairy herd, under Mr. Mathieson, increased in numbers, and gave plenty of milk for the use of the Institution.

During the winter, the prisoners were engaged in the bush cutting logs and firewood. A drain was dug to drain off a large section of flat land, and about one hundred acres were cleared ready to stump and break up this summer, and we should have at least an extra hundred acres under cultivation next year. The houses, which had been started, were completed and are now occupied.

Baseball was played by the inmates during the summer, and cards, checkers, dominoes, books, and magazines were given to them for recreation periods during the weekends. Boxing practice and orchestra practice, for those interested in these pastimes, are allowed. Discipline is very good among the inmates at all our Camps.

Discipline among the Staff is very good. Owing to the increase in prisoners, the total population of our three places reaching over the nine hundred mark, we had to engage extra Guards. All new Guards were given lectures on the organization and administration of the Institution, discipline and conduct of themselves, the discipline, conduct and handling of prisoners and musketry and first aid work. All Officers must pass these tests.

In conclusion, I wish to thank all members of my Staff for their attention to duty, their loyalty and co-operation, and for their general interest in the welfare of the Institution. I also wish to thank all our Officials at the Head Office in Toronto for their advice and kind assistance at all times. It has been a great pleasure to work with them.

Yours very truly,

H. W. POWELL,
Superintendent.

MR. C. F. NEELANDS,
Deputy Provincial Secretary,
Parliament Buildings,
Toronto.

INDUSTRIAL FARM, MONTEITH.

April 3rd, 1940.

Dear Sir:

I wish to submit a general report of progress of work at this Institution for the year ending March 31st, 1940.

On April 30th, 1939, we moved our inmates and offices into the brick building which was formally used as a school. The frame building used by us when we opened the Institution was remodelled. There are eight apartments, seven of which are occupied and bringing in revenue. A new water line was installed from the pumphouse to the Institution. A new line was also installed around the buildings and we now have ample fire protection. During the winter months the inmates were engaged in cutting wood. Besides our farm operations we managed to clear the stumps and underbrush from approximately forty-five acres of land, thirty acres of which we hope to get ready for cultivation this summer. In addition we have cut the wood and underbrush from an additional twenty acres. It is our intention to clear this land during the coming summer months.

Baseball was played by our inmates during the summer months. Our inmate team played in competition with a team from the village of Monteith and the arrangement was very satisfactory. Discipline has been good among the inmates, and we have not as yet had any escapes. Religious services are conducted weekly by the Salvation Army, and we wish to thank them for their kindly interest in the welfare of the inmates.

In administering the Institution I have received the loyal and wholehearted support of every member of the staff for which I am very thankful. I would also like to thank you and all members of our staff in Toronto for the very fine co-operation you have given me.

This report, Sir, is respectfully submitted.

Your obedient servant,

A. McCLUSKIE,
Sergeant in Charge.

Mr. C. F. Neelands,
Deputy Provincial Secretary,
Parliament Buildings,
Toronto.

MERCER REFORMATORY.

1155 KING STREET WEST, TORONTO.

MR. C. F. NEELANDS,
Deputy Provincial Secretary,
Parliament Buildings,
Toronto.

SIR:

I have the honour to submit the Annual Report of the Andrew Mercer Reformatory for the year ending March 31, 1940.

The number committed to this Institution during the year was 317, and of these 46 were admitted from the Belmont Industrial Refuge. Of the total of 317, 138 were sentenced to terms under six months, and such terms are too short to enable us to do enough towards fitting them to become respectable citizens.

The usual routine hospital work has been done, and eight inmates were transferred to mental hospitals. There were no deaths. There were fourteen births during the year, these occurring in the Toronto General Hospital.

The industrial training is carried out under the following departments: Sewing, cooking, laundry, gardening and housework. A knitting class started in October, 1939, by the Salvation Army with wool supplied by them and supervised by one of their officers, has been of great benefit to the girls. They are all anxious to help in the making of socks, sweaters and other comforts for the soldiers, and 506 pairs of socks, 372 sweaters, 108 pairs cuffs, and other garments, stand to their credit.

We are deeply indebted to all the people who have provided entertainment and for the many other services rendered by outside friends during the year, so I take this means of expressing our thanks.

I wish to thank also the ministers of the different denominations, the Salvation Army, the Rev. Fathers Ryan and Murray, and the Sunday School teachers for the services conducted at this Institution.

Thanking you and the Department for your ever ready assistance and advice,

I have the honour to be, Sir,

Your obedient servant,

JEAN MILNE,
Superintendent.

Board of Parole

ANNUAL REPORT OF THE ONTARIO BOARD OF PAROLE.

For the Year Ending March 31st, 1940.

The Ontario Parole Board through the year just ended has been successful in the rehabilitation of many persons sentenced to indeterminate terms in the different provincial reformatories. Much of this success can be attributed to the co-operation the Parole Office has received from the various municipal and provincial police, and many local organizations throughout the province, the members of which are interested in the welfare of those in their community who had come in conflict with the law.

Owing to the conditions which now exist, it is difficult in many cases for inmates, who have been granted parole, to secure employment, but in the majority of cases this has been arranged, often through the efforts of the officials and organizations mentioned above.

The Ontario Parole System has, through its efforts during the year just ended, proved an effective instrument of rehabilitation. Through the close supervision of men and women under this System, particularly toward home and family obligations, a decided improvement has been evidenced. Closer co-operation with both municipal and provincial police, assisted materially by the police, owing to a more sympathetic understanding of the system, a finer spirit of human relationship now exists. The Board, we believe, through its officers, has now created a better understanding with men and women under its supervision.

The great essential work of the Board of Parole is the re-establishing of the offender and his restoration to society as a respected citizen; yet, there is an unsentimental monetary side to the work as well. A man inside an institution is a decided liability, owing to the cost of maintenance by the Province, but, on going out to remunerative work he becomes an asset, the whole family are by the one process removed from dependence upon charitable organizations and municipal relief.

The Board is of the opinion that it would be a great assistance to the Parole Office if there were, at different points in the Province, representatives who would assist in securing employment and in the placing and supervision of inmates granted parole.

The personnel of the Board was not changed during the year and is composed of J. F. McKinley; L. J. Long; A. F. Hatch; R. S. Clark; W. B. Common and Mrs. D. Strachan.

The Executive Staff of the Board is comprised of C. F. Swayze, Chief Officer and Secretary, G. R. Trumbell, Assistant Parole Officer, four stenographers and one filing clerk.

Number of meetings held during the fiscal year ending March 31, 1940	37
Number of Cases heard	1,480
Paroles authorized	875

PAROLE VIOLATORS.

Re-convicted:			
Paroled previous to March 31, 1940	9		
Paroled during the fiscal year	26		
	—	35	
Sent Back and Parole Cancelled:			
Paroled previous to March 31, 1940	2		
Paroled during the fiscal year	7		
	—	9	
Disappeared:			
Paroled previous to March 31, 1940	2		
Paroled during the fiscal year	28		
	—	30	
		—	74
Total Failures:			
Paroled previous to March 31, 1940	13		
Paroled during the fiscal year	61		
	—		74
Paroled:			
Men	650		
Women	87		
	—		737

Failures of those paroled during the fiscal year 8.28%

The Salvation Army

A REPORT OF THE PRISON, JAIL AND POLICE COURT WORK IN THE PROVINCE OF ONTARIO.

For the Year Ended September 30th, 1939.

The problem of the restoration of fallen man is age-old and one of the greatest in the world. It has agitated the minds of thoughtful men and women since the days of Elizabeth Fry and Sydney Smith, and in spite of all that has been done, it still presents one of the greatest of all challenges to Society. How the Salvation Army is trying to meet this is outlined in the following report of the services rendered by it in Prisons, Jails and Police Courts of Ontario.

Preventative and Police Court Work.

All will agree that the best time to save a man from crime is before he falls. Our Officers pay special attention to the family and give advice and help to the boy or girl who gets into trouble.

Our Boys' Home in London is doing preventative work, and our Girls' Home in Toronto, London, Windsor and Hamilton are all restoring character. First offenders when brought before the Magistrates are the special object of our Social Worker's care and attention, and a large number are handed to us by the Courts each year.

Prisoner's Welfare Work.

It is generally recognized that in respect to Law breakers, the real sufferers are the wives and children, and our first thought is of these innocent victims of crime and its consequences. In practically every town and city in the Province our Officers work under our instructions to alleviate the conditions of these dependents.

Then too, the man behind the prison bars is not forgotten, but is visited and led to confide in One who is interested in his complete reformation. Our Bands and Singing Groups visit these men and contribute considerably to their moral and spiritual welfare.

Religious meetings are held regularly in all the Jails and Prisons, and the voluntary attendance at these gatherings speaks volumes as to the confidence our Organization has won in the hearts of the men and women inmates.

Prison Gate Work.

One of the greatest phases of our endeavour is in the field of after-care of the prisoner. We receive from the Wardens of certain Institutions a monthly list of dischargees, and plan ahead to receive these men and women and rehabilitate them. Where it is possible they are met at the Prison Gate or Railroad Station, invited to our Homes and Institutions, cared for until they can make their own arrangements, found work where this is possible, and often reconciled and restored to their families.

To facilitate the work, we have in Toronto, a special building set aside for this purpose, and Officers are definitely appointed to deal with all branches of Prison work for men and women.

Finally, we would like to say that our experience goes to prove that permanent reformation can only be brought about by the application of Spiritual power. This power not only motivates our Officers, but they bring it to the work of dealing with their clients, and try to help all they can to a personal acceptance of Christ, who alone can 'Break the power of sin and set the Prisoner free'.

We put on record our gratitude and thanks to Superintendents and Officials of the various Institutions, also to Magistrates and Crown Attorneys for their sympathy and help in cases where they feel that mercy can wisely be extended. Reference must be made to the sympathy shown by the Officials of the Parliament Buildings, viz: the Hon. H. Nixon, Mr. C. F. Neelands, together with the Attorney General and others who facilitate our efforts in such works of mercy.

REPORT OF PRISON, JAIL AND POLICE COURT WORK FOR THE PROVINCE OF ONTARIO.

Year Ended September 30th, 1939.

Visits to Jails, Prisons and Police Courts, including visits when services are held	5,298
Interviews with men	14,595
Religious services conducted in Prisons and Jails	1,598
Men handed to The Salvation Army, met on discharge, or who have come direct to the Prison Office	3,989
Meals and beds supplied free	22,054
Letters written, or calls made by 'phone in order to bring about reconciliation, or secured employment for discharged men	5,907
Visits to homes, also to prospective employers on behalf of prisoners	4,546
Employment secured, returned to former jobs, or sent back to friends or parents mostly from the Police Court	1,669
Number provided with clothing	1,356

Notes.

Gifts are made to men and women at Christmas at all Prisons and Jails.

STATEMENT OF INCOME AND EXPENDITURE FOR THE FISCAL YEAR ENDED SEPTEMBER 30TH, 1939.

Expenditure

To assistance to Prisoners and dependents		$ 4,223.37
To expenses of Officers engaged in Prison and Police Court Work:—		
Burwash		
Salaries	$1,066.00	
Rents	57.00	
Incidentals	99.21	
		$ 1,212.21
Guelph		
Salaries	499.92	
Incidentals	75.08	
		575.00
Toronto—Men's Police Court		
Salaries	1,565.00	
Rents	645.00	
Travelling	294.50	
Incidentals	337.91	
		2,842.41
Toronto—Women's Police Court		
Salaries	1,462.75	
Rents	99.00	
Travelling	146.60	
Incidentals	270.06	
		1,978.41
Kingston		
Salaries	1,170.00	
Travelling	83.20	
Incidentals	110.15	
		1,363.35
		$12,194.75

Income.

By Grants	
Province of Ontario	$ 5,000.00
City of Toronto	1,650.00
City of Kingston	565.00
Kingston Social Service Council.	220.00
Donations	97.48
Deficit	4,662.27
	$12,194.75

Annual Report upon the
Gaols of Ontario

FOR THE YEAR ENDING MARCH 31ST, 1940.

1. City Gaols (Toronto and Hamilton)	2
County Gaols	35
District Gaols	10
Total number of Gaols in Ontario	47
2. Total expenditure for Gaol Maintenance in Ontario:	
For year ending March 31st, 1939	$548,283.92
For year ending March 31st, 1940	552,659.16
3. Average maintenance cost per day per prisoner:	
For year ending March 31st, 1939	93
For year ending March 31st, 1940	1.00
4. Average dietary cost per day per prisoner:	
For year ending March 31st, 1939	.1477
For year ending March 31st, 1940	.1504
5. Number of Prisoners committed:	
For year ending March 31st, 1939	34,914
For year ending March 31st, 1940	33,075
Decrease	1,839
6. Number of Prisoners sentenced:	
For year ending March 31st, 1939	27,926
For year ending March 31st, 1940	26,543
Decrease	1,383

COMMITMENTS

	1938-39	1939-40	Decrease	Increase
Murder	18	11	7	
Manslaughter	44	41	3	
Crimes:				
Against the person	1,466	1,243	223	
Against Property	8,990	8,539	451	
Against Public Morals and Decency	824	880		56
Against Order and Peace	21,317	20,231	1,086	
Mentally Ill	453	447	6	
Number of days stay of prisoners	591,941	549,971	41,970	
Escapes	11	9	2	
Escaped and Recaptured	9	9		
Deaths in Gaols	4	2	2	

The following tables show total Sex, Social Conditions, Habits and Educational Status of all prisoners committed:

Sex.

	1938-39	1939-40
Male	33,162	31,217
Female	1,752	1,858

Social Conditions.

Married	11,576	11,359
Unmarried	23,338	21,716

Habits

Temperate	12,053	11,096
Intemperate	22,861	21,979

Educational

	1938-39	1939-40
Could read or write	33,716	31,823
Could neither read nor write	1,198	1,252

The following tables show the Nationality and Occupation of all prisoners committed:

Nationality.

	1938-39	1939-40
Canadian Born	26,624	25,395
English	1,980	1,803
Irish	996	907
Scotch	1,245	1,334
United States	623	584
Other Countries	3,446	3,052

Occupations.

Agricultural	1,502	1,438
Commercial	6,265	5,505
Domestic	1,680	1,727
Labourers	20,346	19,074
Mechanics	3,282	3,594
Professional	423	355
No Occupation	1,416	1,382

Number of Times Committed.

	1938-39	%	1939-40	%
First Time	18,874	54.0	17,613	53.3
Second Time	5,646	16.2	5,149	15.5
Third Time	3,590	10.3	3,444	10.4
More than Third Time	6,804	19.5	6,869	20.8
	34,914		33,075	

NUMBER OF PRISONERS COMMITTED REPORTED AS DRUG ADDICTS:

Belleville	1
Barrie	1
Brampton	2
Goderich	1
Guelph	6
Hamilton	21
London	2
Peterboro	2
St. Catharines	2
Toronto	246
Whitby	1
Windsor	4
Bracebridge	1
Sudbury	1
Total	291

NUMBER OF PRISONERS SENTENCED TO CORPORAL PUNISHMENT:

Brockville	2
Cayuga	1
Chatham	3
Hamilton	2
Kitchener	2
Ottawa	2
Toronto	9
Welland	8
Kenora	1
Parry Sound	3
Sudbury	9
Total	42

Offences for which prisoners were committed and sentenced during the year.

A. CRIMES AGAINST THE PERSON

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Abduction	5	....	5	5	....	5
Abortion	11	14	25	6	8	14
Assault, Common	759	21	780	545	14	559
Assault, Felonious	191	2	193	130	2	132
Attempted Suicide	60	22	82	19	11	30
Cutting and wounding and attempting same	27	1	28	18	1	19
Shooting with intent	7	1	8	5	1	6
Stabbing	1	....	1	1	....	1
Manslaughter	41	....	41	18	....	18
Murder	10	1	11	4	....	4
Carnal Knowledge	47	....	47	29	....	29
Rape and Assault with intent to rape	22	....	22	8	....	8
Total	1,181	62	1,243	788	37	825

B. CRIMES AGAINST PROPERTY

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Arson and Incendiarism	49	7	56	32	2	34
Break, Enter and Theft	1,699	4	1,703	1,359	4	1,363
Robbery	278	9	287	208	9	217
Forgery	170	15	185	147	13	160
Fraud	348	13	361	241	13	254
False Pretenses	618	17	635	481	14	495
Larceny and Theft	3,604	138	3,742	2,838	104	2,942
Theft of Cars	467	2	469	376	....	376
Taking without owners consent	153	1	154	132	....	132
Receiving stolen goods	413	18	431	311	12	323
Trespass	509	7	516	469	7	476
Total	8,308	231	8,539	6,594	178	6,772

Offences for which prisoners were committed and sentenced during the year.

C. CRIMES AGAINST PUBLIC MORALS AND DECENCY

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Bigamy	22	4	26	19	3	22
Indecent Assault	145	....	145	105	....	105
Indecent Exposure	93	2	95	71	2	73
Incest	26	1	27	15	1	16
Inmates and frequenters of Houses of ill-fame	96	82	178	49	47	96
Keeping Houses of ill-fame	46	105	151	40	63	103
Juvenile Delinquency	132	17	149	74	12	86
Perjury	37	7	44	23	6	29
Prostitution	....	26	26	....	23	23
Seduction	15	....	15	8	....	8
Buggery	24	....	24	15	....	15
Total	636	244	880	419	157	576

D. CRIMES AGAINST PUBLIC ORDER AND PEACE

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Breaches of the Liquor Control Act	4,972	240	5,212	4,550	184	4,734
Breaches of the Excise Act	118	2	120	84	1	85
Breaches of the Narcotic and Drug Act	136	19	155	89	8	97
Breaches of the By-Laws (Do not include B.L.C.A.)	442	10	452	404	10	414
Breaches of the Highways Traffic Act	1,008	11	1,019	823	9	832
Carrying unlawful weapons	115	1	116	84	1	85
Cruelty to animals	11	....	11	11	....	11
Drunk and Disorderly (Do not include B.L.C.A.)	7,110	406	7,516	6,665	324	6,989
Drunk driving an Automobile	1,088	11	1,099	935	9	944
Escaping from Constable	14	1	15	13	....	13
Escaping from prison or gaol	20	2	22	18	1	19
Gambling	259	2	261	163	2	165
Obstructing an Officer	126	6	132	93	2	95
Selling or giving liquor to Indians (Do not include B.L.C.A.)	176	17	193	167	14	181
Vagrancy	3,536	372	3,908	2,417	181	2,598
Total	19,131	1,100	20,231	16,516	746	17,262
E. OTHER OFFENCES NOT ENUMERATED ABOVE	1,961	221	2,182	1,022	86	1,108
GRAND TOTAL (Totals of A, B, C, D, and E)	31,217	1,858	33,075	25,339	1,204	26,543

TABLE

Showing of Names and Salaries of various Goal

CITY and COUNTY GAOLS	Names of Officials			
	Sheriffs	Gaolers	Chief Matrons	Chief Turnkeys
Barrie	E. C. Drury	E. M. Garrity	Mrs. E. Garrity	J. R. Weymouth
Belleville	J. D. O'Flynn	G. H. French	" E. French	J. Semain
Brampton	F. S. Hutchison	J. A. Hillson	" K. Hillson	J. Young
		W. A. Partridge	" H. Partridge	
Brantford	C. S. Tapscott	J. Cook	" E. Cook	H. Slaught
Brockville	R. J. Gill	F. J. Heffernan	" E. M. Heffernan	J. Harrison
Cayuga	R F. Miller	J. B. Smith	" A. Smith	W. J. Spittal
Chatham	E. W. Hardy	P. J. Daigneau	" G. Daigneau	W. Henley
Cobourg	J. T. Fields	F. J. Wright	" V. Wright	I. Palen
Cornwall	A. I. Macdonnell	J. S. Dickey	" B. Dickey	J. Cowhey
Goderich	R. Johnston	J. B. Reynolds	" J. Reynolds	K. White
Guelph	H.C. Waind	J. Clarke	" J. Clarke	J. Borland
Hamilton*	J. W. Lawrason	F. V. Lalonde	" E. Lalonde	T. J. Hickmott
Kingston	F. R. Davies	J. T. Hawkey	" G. Hawkey	N. Sleeth
Kitchener	G. H. Gillies	E. Langridge	" V. Langridge	F. MacLeod
Lindsay	J. Forman	H. W. Stone	" E. Stone	C. A. Grozelle
London	D. A. Graham	C. H. Mitchell	" J. North	W. K. Gray
L'Orignal	A. Landriault	A. Gelineau	" A. Gelineau	E. Seguin
Milton	W. J. L. Hampshire	F. McNiven	" R. McNiven	C. J. Fleming
Napanee	J. T. Haycock	W. H. Roe	" W. H. Roe	G. L. McCabe
Orangeville	T. K. Slack	W. C. Barber	" G. Barber	W. R. Campbell
		H. A. Coutts	" M. Coutts	
Ottawa	S. Crooks	A. G. Dawson	" M. Connell	A. Nicol
Owen Sound	T. J. Rutherford	T. A. Ramage	" J. Ramage.	S.H. Guardhouse
Pembroke	A. Morris	A. G. Brown	" M. Brown	C. Poupore
Perth	J. S. L. McNeely	W. R. Somerville	" W. Somerville	A. E. Manson
Peterboro	J. A. Harstone	T. D. Johnston	" S. Johnston	S. D. Johnston
Picton	A. E. Bowerman	W. McWilliams	" V. McWilliams	E. Rist
St. Catharines	F. J. Graves	J. J. Dundas	" L. Dundas	A. V. Bracken
St. Thomas	I. D. Cameron	C. P. Ermatinger	" R. Donaldson	R. B. Donaldson
Sarnia	A. J. Johnston	E. J. Mott	" C. Mott	G. Gilbert
Simcoe	W. Mason	G. Mercel	" J. Mercel	H. Eames
Stratford	H. D. Lang	A. T. Trethewy	" A. Trethewy	H. Nichol
Toronto*	W. H. Cane	H. G. Denning	" M. Peers	A. Edwards
		W. L. Rayfield		
Walkerton	H. A. McGillivray	A. E. Ferguson	" M. Ferguson	A. T. McDougall
Welland	V. L. Davidson	D. Sharp	" D. Stewart	C. Stewart
Whitby	H. Bascom	H. F. Lucas	" H. Lucas	W. Pellow
Windsor	A. A. Marentette	J. W. Warden	" J. Warden	J. T. Morkin
Woodstock	C. E. Sutherland	J. L. Skinner	" G. Skinner	M. Hamilton
DISTRICT GAOLS				
Bracebridge	C. S. Salmon	C. Reynolds	Mrs. C. Reynolds	
Fort Frances	W. P. Pilkey	J. E. King	" J. King	J. Miller
Gore Bay	W. I. Wagg	R. McDermid	" R. McDermid	
Haileybury	H. Clifford	A. T. Humphreys	" C. Terrill	J. B. Anderson
Kenora	L. D. MacCallum	E. W. Cox	" F. Cox	H. R. Warner
North Bay	A. R. Girard	E. J. Turner	" F. Valin	Wm. Rayner
Parry Sound	J. E. Armstrong	T. W. Keating	" T. Keating	W. J. Tait
Port Arthur	H. Thompson	G. F. Lasseter	" G. F. Lasseter	C. M. Smith
Sault Ste. Marie	R. E. Stone	R. M. Hearst	" M. Hearst	W. Johnson
Sudbury	M Arthur	W. H. O'Leary	" W. H. O'Leary	R. Cornthwaite

---

* City Gaols.

No. 1.
Officials for the Year Ending March 31st, 1940.

CITY and COUNTY GAOLS		Salaries of Officials				
	Gaol Surgeons	Gaolers	Matrons	Other Officers	Surgeons	Total
Barrie	Dr. W. Little	$1,200.00	$ 400.00	$2,875.00	$ 422.50	$4,897.50
Belleville	" R. M. Anderson	700.00	400.00	1,820.00	500.00	3,420.00
Brampton	" C. Heggie	675.00	177.05	1,518.00	146.00	2,816.45
		227.50	72.90			
Brantford	" R. H. Palmer	1,500.00	500.00	4,088.00	300.00	6,388.00
Brockville	" D. I. Matheson	1,150.00	200.00	1,222.98	337.97	2,910.95
Cayuga	" D. R. Weylie	1,000.00	180.00	924.00	160.00	2,264.00
Chatham	" J. A. Ferguson	1,166.67	400.00	4,002.50	350.00	5,919.17
Cobourg	" A. R. Richards	1,000.00	200.00	1,213.25	330.00	2,743.25
Cornwall	" A. R. Alguire	1,600.00	300.00	4,948.95	399.00	7,247.95
Goderich	" A. H. Taylor	1,000.00	225.00	1,246.50	125.00	2,596.50
Guelph	" A. B. McCarter	1,000.00	300.00	2,766.00	200.00	4,266.00
Hamilton*	" T. C. Gibson	2,000.00	700.00	16,840.00	1,000.00	20,540.00
Kingston	" P. H. Huyck	1,350.00	252.00	2,197.50	350.00	4,149.50
Kitchener	" G. D. McTaggart	1,200.00	400.00	3,799.50	500.00	5,899.50
Lindsay	" M. F. White	1,200.00	240.00	1,477.50	150.00	3,067.50
London	" D. H. Hogg	1,620.00	750.00	11,480.57	700.00	14,550.57
L'Orignal	" R. Laviolette	900.00	270.00	999.00	250.00	2,419.00
Milton	" C. K. Stevenson	900.00	250.00	1,071.82	200.00	2,421.82
Napanee	" T. M. Galbraith	1,000.00	200.00	1,350.00	200.00	2,750.00
Orangeville	" J. W. Leach	916.49	229.12	1,115.00	125.00	2,740.00
		283.51	70.88			
Ottawa	" J. F. Argue	2,300.00	650.00	14,612.00	365.00	17,927.00
Owen Sound	" R. Howey	1,200.00	300.00	1,764.00	250.00	3,514.00
Pembroke	" A. J. Sparling	1,700.00	225.00	1,209.00	100.00	3,234.00
Perth	" A. C. Fowler	1,000.00	200.00	1,273.50	500.00	2,973.50
Peterboro	" J. A. Morgan	1,000.00	300.00	1,528.50	200.00	3,028.50
Picton	" G. Allison	700.00	200.00	505.40	150.00	1,555.40
St. Catharines	" L. H. Werden	1,100.00	300.00	2,198.00	125.00	3,723.00
St. Thomas	" D. L. Ewin	1,420.00	....	2,869.28	338.00	4,627.28
Sarnia	" W. B. Rutherford	1,075.00	400.00	2,208.00	300.00	3,983.00
Simcoe	" K. McIntosh	840.00	250.00	1,801.00	315.00	3,206.00
Stratford	" M. J. Fraser	1,100.00	450.00	1,386.80	150.00	3 086.80
Toronto*	" J. Chassels	2,575.06	1,206.63	62,391.68	1,500.00	67,938.94
		265.57				
Walkerton	" W. A. Hall	900.00	200.00	1,516.40	150.00	2,766.40
Welland	" M. McLean	1,695.00	250.00	3,677.00	378.00	6,000.00
Whitby	" C. F. McGillivray	850.00	250.00	2,984.50	233.00	4,317.50
Windsor	" C. J. Hemond	1,500.00	600.00	11,712.78	800.00	14,612.78
Woodstock	" C. W. McKay	1,000.00	300.00	1,696.00	200.00	3,196.00
DISTRICT GAOLS						
Bracebridge	Dr. E. G. Ellis	1,300.00	200.00	654.50	150.00	2,304.50
Fort Frances	" W. G. Boyle	1,700.00	300.00	3,028.63	200.00	5,228.63
Gore Bay	" A. F. Strain	1,300.00	300.00	121.00	200.00	1,921.00
Haileybury	" W. C. Arnold	1,800.00	500.00	8,258.50	484.00	11,042.50
Kenora	" W. J. Gunne	1,700.00	300.00	5,892.00	200.00	8,092.00
North Bay	" E. J. Brennen	1,900.00	450.00	7,705.86	300.00	10,355.86
Parry Sound	" M. H. Limbert	1,400.00	300.00	2,325.00	150.00	4,175.00
Port Arthur	" W. W. Smith	2,000.00	400.00	13,041.50	400.00	15,841.50
Sault Ste. Marie	" S. E. Fleming	1,800.00	400.00	4,183.50	300.00	6,683.50
Sudbury	" W. C. Morrison	2,100.00	500.00	8,177.00	720.00	11,497.00

TABLE
MOVEMENT OF

CITY and COUNTY GAOLS	Number Remaining in custody on remand Mar. 31st, 1939			Number Remaining in custody awaiting trial Mar. 31st, 1939			Number Remaining in custody serving unexpired sentences or for other reasons Mar. 31st, 1939			Number Committed during the year ending March 31st, 1940		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	1	....	1	1	....	1	25	....	25	467	10	477
Belleville	3	....	3	....	....	....	38	....	38	549	27	576
Brampton	1	....	1	1	....	1	4	....	4	120	2	122
Brantford	7	....	7	....	....	....	18	1	19	452	15	467
Brockville	....	....	....	....	....	....	18	1	19	298	12	310
Cayuga	1	....	1	1	....	1	3	....	3	106	2	108
Chatham	4	....	4	....	....	....	20	....	20	702	33	735
Cobourg	....	....	....	4	....	4	15	....	15	263	12	275
Cornwall	1	....	1	1	....	1	12	....	12	452	16	468
Goderich	2	1	3	....	....	....	3	....	3	114	7	121
Guelph	1	....	1	1	....	1	22	....	22	408	29	437
Hamilton*	7	5	12	7	....	7	89	1	90	1,569	112	1,681
Kingston	1	....	1	....	....	....	29	....	29	426	19	445
Kitchener	4	....	4	....	....	....	26	....	26	559	28	587
Lindsay	1	....	1	....	....	....	3	....	3	105	3	108
London	10	1	11	....	....	....	49	1	50	1,251	104	1,355
L'Orignal	2	....	2	....	....	....	8	....	8	135	9	144
Milton	....	....	....	....	....	....	5	....	5	92	8	100
Napanee	4	....	4	....	....	....	2	....	2	90	3	93
Orangeville	....	....	....	....	....	....	6	....	6	44	1	45
Ottawa	9	2	11	4	....	4	78	....	78	2,411	110	2,521
Owen Sound	....	....	....	....	....	....	11	....	11	209	7	216
Pembroke	1	....	1	....	....	....	10	....	10	309	10	319
Perth	....	....	....	1	....	1	12	....	12	203	6	209
Peterboro	....	....	....	....	....	....	14	1	15	380	9	389
Picton	1	....	1	....	....	....	8	1	9	97	1	98
St. Catharines	1	....	1	1	....	1	18	....	18	348	19	367
St. Thomas	3	....	3	....	....	....	13	....	13	343	15	358
Sarnia	3	....	3	....	....	....	20	....	20	313	16	329
Simcoe	4	....	4	....	....	....	2	1	3	266	23	289
Stratford	6	....	6	....	....	....	11	....	11	174	1	175
Toronto*	38	3	41	24	1	25	112	8	120	9,331	737	10,068
Walkerton	....	....	....	....	....	....	6	....	6	177	5	182
Welland	3	....	3	....	....	....	42	1	43	695	7	702
Whitby	2	....	2	....	....	....	22	....	22	399	15	414
Windsor	8	1	9	....	....	....	35	....	35	1,247	50	1,297
Woodstock	1	....	1	....	....	....	13	1	14	248	5	253
DISTRICT GAOLS												
Bracebridge	....	....	....	....	....	....	2	1	3	121	2	123
Fort Frances	2	....	2	1	....	1	13	....	13	217	11	228
Gore Bay	....	....	....	....	....	....	2	....	2	44	2	46
Haileybury	....	....	....	5	....	5	72	5	77	1,218	33	1,251
Kenora	1	....	1	1	....	1	32	1	33	439	26	465
North Bay	2	2	4	....	....	....	48	1	49	698	38	736
Parry Sound	....	....	....	1	....	1	10	....	10	169	6	175
Port Arthur	8	....	8	1	....	1	86	9	95	1,127	104	1,231
Sault Ste. Marie	6	....	6	1	....	1	41	3	44	361	33	394
Sudbury	3	....	3	1	1	2	132	7	139	1,471	115	1,586
Totals	152	15	167	57	2	59	1,260	44	1,304	31,217	1,858	33,075

* City Gaols.

No. 2.

GAOL POPULATION.

CITY and COUNTY GAOLS	Total number in custody during year			Number released on bail			Number Acquitted and released			Number released by order of judge of court without trial		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	494	10	504	53	...	53	40	....	40	1	....	1
Belleville	590	27	617	8	3	11	74	3	77	11	....	11
Brampton	126	2	128	2	...	2	12	1	13	1	....	1
Brantford	477	16	493	36	3	39	56	2	58	2	....	2
Brockville	316	13	329	4	2	6	10	1	11	1	....	1
Cayuga	111	2	113	12	...	12	6	....	6	1	....	1
Chatham	726	33	759	33	...	33	23	3	26	.....	....	.....
Cobourg	282	12	294	31	2	33	9	1	10	4	....	4
Cornwall	466	16	482	4	...	4	....	....	......	1	....	1
Goderich	119	8	127	45	1	46	2	1	3	1	....	1
Guelph	432	29	461	51	...	51	54	12	66	3	....	3
Hamilton*	1,672	118	1,790	72	9	81	183	35	218	15	1	16
Kingston	456	19	475	.....	1	1	27	7	34	2	....	2
Kitchener	589	28	617	7	...	7	96	5	101	5	....	5
Lindsay	109	3	112	1	...	1	6	....	6	1	....	1
London	1,310	106	1,416	29	2	31	70	13	83	17	....	17
L'Orignal	145	9	154	14	...	14	5	1	6	21	1	22
Milton	97	8	105	.....	...	.....	17	2	19	.....	....	.....
Napanee	96	3	99	11	...	11	4	1	5	3	1	4
Orangeville	50	1	51	2	...	2	1	....	1	.....	....	.....
Ottawa	2,502	112	2,614	54	2	56	302	29	331	28	1	29
Owen Sound	220	7	227	4	...	4	10	....	10	.....	....	.....
Pembroke	320	10	330	6	...	6	8	....	8	.....	....	.....
Perth	216	6	222	7	...	7	8	2	10	.....	....	.....
Peterboro	394	10	404	3	2	5	28	2	30	3	....	3
Picton	106	2	108	.....	...	.....	....	....	......	8	1	9
St. Catharines	368	19	387	.....	...	.....	27	3	30	7	....	7
St. Thomas	359	15	374	26	1	27	13	1	14	5	....	5
Sarnia	336	16	352	6	1	7	4	....	4	22	4	26
Simcoe	272	24	296	47	4	51	2	....	2	6	1	7
Stratford	191	1	192	8	...	8	....	....	......	1	....	1
Toronto*	9,505	749	10,254	1,502	144	1,646	1	....	1	489	87	576
Walkerton	183	5	188	25	...	25	8	....	8	2	....	2
Welland	740	8	748	30	...	30	31	....	31	4	....	4
Whitby	423	15	438	7	2	9	59	....	59	5	1	6
Windsor	1,290	51	1,341	73	4	77	59	20	79	45	....	45
Woodstock	262	6	268	32	1	33	8	....	8	2	....	2
DISTRICT GAOLS												
Bracebridge	123	3	126	3	...	3	9	....	9	.....	....	.....
Fort Frances	233	11	244	24	...	24	18	1	19	.....	....	.....
Gore Bay	46	2	48	.....	...	.....	1	....	1	1	....	1
Haileybury	1,295	38	1,333	13	...	13	17	1	18	8	1	9
Kenora	473	27	500	6	...	6	34	....	34	3	....	3
North Bay	748	41	789	45	1	46	62	8	70	27	3	30
Parry Sound	180	6	186	12	2	14	28	1	29	1	....	1
Port Arthur	1,222	113	1,335	2	...	2	58	10	68	.....	....	.....
Sault Ste. Marie	409	36	445	2	...	2	1	....	1	69	9	78
Sudbury	1,607	123	1,730	75	15	90	....	....	......	2	1	3
Totals	32,686	1,919	34,605	2,427	202	2,629	1,491	166	1,657	828	112	940

TABLE

MOVEMENT OF

CITY and COUNTY GAOLS	Number with option of a fine or gaol term who paid fines and were released			Number released on suspended sentences			Number released for any other reason		
	M.	F.	T.	M.	F.	T	M.	F.	T.
Barrie	48	3	51	30	......	30	14	1	15
Belleville	38	3	41	42	2	44	9	1	10
Brampton	20	......	20	18	1	19	3	......	3
Brantford	8	1	9	52	1	53	11	......	11
Brockville	15	......	15	21	2	23	6	......	6
Cayuga	15	......	15	8	......	8	......	......	......
Chatham	18	......	18	123	5	128	5	......	5
Cobourg	17	2	19	29	3	32	8	1	9
Cornwall	15	......	15	36	3	39	66	3	69
Goderich	3	......	3	7	1	8	2	......	2
Guelph	58	2	60	11	......	11	6	......	6
Hamilton*	49	4	53	102	8	110	......	......	......
Kingston	25	......	25	17	2	19	24	2	26
Kitchener	39	1	40	42	1	43	8	......	8
Lindsay	11	1	12	10	......	10	4	......	4
London	62	4	66	109	9	118	142	4	146
L'Orignal	10	......	10	4	4	8	......	1	1
Milton	9	1	10	8	1	9	1	2	3
Napanee	10	......	10	3	1	4	10	......	10
Orangeville	6	......	6	4	......	4	3	......	3
Ottawa	64	......	64	160	27	187	5	2	7
Owen Sound	10	1	11	10	......	10	6	1	7
Pembroke	13	......	13	9	1	10	18	1	19
Perth	6	......	6	16	1	17	7	......	7
Peterboro	22	......	22	19	......	19	7	1	8
Picton	5	......	5	8	......	8	3	......	3
St. Catharines	11	2	13	11	4	15	......	......	......
St. Thomas	12	2	14	30	3	33	7	......	7
Sarnia	34	1	35	27	1	28	......	......	......
Simcoe	29	1	30	30	9	39	42	5	47
Stratford	6	......	6	29	......	29	27	......	27
Toronto*	395	49	444	1,949	183	2,132	94	5	99
Walkerton	12	......	12	15	1	16	......	......	......
Welland	21	2	23	23	4	27	11	......	11
Whitby	31	2	33	12	1	13	......	......	......
Windsor	52	2	54	92	2	94	31	2	33
Woodstock	21	1	22	11	2	13	12	......	12
DISTRICT GAOLS									
Bracebridge	3	......	3	3	......	3	......	......	......
Fort Frances	56	1	57	32	4	36	......	......	......
Gore Bay	4	1	5	5	......	5	1	......	1
Haileybury	4	1	5	7	1	8	1	......	1
Kenora	27	......	27	28	8	36	8	2	10
North Bay	21	......	21	43	4	47	11	2	13
Parry Sound	22	1	23	10	1	11	2	......	2
Port Arthur	95	21	116	34	3	37	8	2	10
Sault Ste. Marie	36	2	38	1	......	1	1	......	1
Sudbury	150	38	188	34	4	38	107	7	114
Totals	1,638	150	1,788	3,324	308	3,632	731	45	776

* City gaols.

No. 2 (Continued).

GAOL POPULATION.

CITY and COUNTY GAOLS	Number Discharged on expiration of sentence			Number Transferred to Other Institutions			Number Sentenced and deported direct from gaol		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	184	3	187	98	3	101	.....	.....	.....
Belleville	302	6	308	74	6	80	.....	.....	.....
Brampton	39	....	39	29	....	29	.....	.....	.....
Brantford	224	4	228	68	3	71	.....	.....	.....
Brockville	181	4	185	60	2	62	1	.....	1
Cayuga	51	1	52	14	1	15	.....	.....	.....
Chatham	414	10	424	79	14	93	.....	.....	.....
Cobourg	139	1	140	36	2	38	.....	.....	.....
Cornwall	258	4	262	58	6	64	1	.....	1
Goderich	30	1	31	23	4	27	.....	.....	.....
Guelph	167	4	171	63	11	74	.....	.....	.....
Hamilton*	902	25	927	257	32	289	4	.....	4
Kingston	284	7	291	52	....	52	1	.....	1
Kitchener	245	2	247	114	19	133	.....	.....	.....
Lindsay	48	....	48	23	2	25	.....	.....	.....
London	695	52	747	125	19	144	1	.....	1
L'Orignal	53	1	54	30	1	31	.....	.....	.....
Milton	39	....	39	20	....	20	.....	.....	.....
Napanee	40	....	40	14	....	14	.....	.....	.....
Orangeville	21	1	22	11	....	11	.....	.....	.....
Ottawa	1,591	35	1,626	191	13	204	.....	.....	.....
Owen Sound	129	1	130	40	3	43	.....	.....	.....
Pembroke	214	7	221	38	1	39	.....	.....	.....
Perth	151	....	151	10	3	13	.....	.....	.....
Peterboro	247	5	252	48	....	48	.....	.....	.....
Picton	66	....	66	15	1	16	.....	.....	.....
St. Catharines	260	8	268	35	2	37	.....	.....	.....
St. Thomas	231	3	234	27	4	31	1	.....	1
Sarnia	184	8	192	47	1	48	1	.....	1
Simcoe	73	2	75	38	2	40	1	.....	1
Stratford	92	....	92	16	1	17	.....	.....	.....
Toronto*	1,733	133	1,866	3,072	127	3,199	6	.....	6
Walkerton	94	....	94	18	4	22	.....	.....	.....
Welland	525	....	525	74	2	76	5	.....	5
Whitby	224	6	230	62	3	65	.....	.....	.....
Windsor	723	7	730	149	10	159	8	.....	8
Woodstock	136	1	137	30	1	31	2	.....	2
DISTRICT GAOLS									
Bracebridge	67	2	69	36	1	37	.....	.....	.....
Fort Frances	72	3	75	22	2	24	.....	.....	.....
Gore Bay	25	....	25	7	1	8	.....	.....	.....
Haileybury	440	18	458	739	9	748	.....	.....	.....
Kenora	305	9	314	33	6	39	.....	.....	.....
North Bay	311	7	318	195	14	209	1	.....	1
Parry Sound	72	....	72	26	1	27	.....	.....	.....
Port Arthur	822	48	870	113	23	136	.....	.....	.....
Sault Ste. Marie	237	12	249	36	10	46	.....	.....	.....
Sudbury	867	22	889	252	24	276	.....	.....	.....
Totals	14,207	463	14,670	6,617	394	7,011	33	.....	33

TABLE
MOVEMENT OF

CITY and COUNTY GAOLS	Died before trial			Died while undergoing sentence			Escaped and not recaptured during year			Number remaining in custody on remand March 31st, 1940		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie										9		9
Belleville										5	2	7
Brampton												
Brantford										4	1	5
Brockville										2		2
Cayuga										1		1
Chatham										5		5
Cobourg												
Cornwall										9		9
Goderich										1		1
Guelph										2		2
Hamilton*	1		1							5	1	6
Kingston										2		2
Kitchener										10		10
Lindsay										1		1
London										15		15
L'Orignal										3		3
Milton										2		2
Napanee												
Orangeville										2		2
Ottawa										36		36
Owen Sound										3		3
Pembroke										3		3
Perth												
Peterboro										1		1
Picton												
St. Catharines										2		2
St. Thomas										1	1	2
Sarnia										3		3
Simcoe												
Stratford										3		3
Toronto*										96	8	104
Walkerton										3		3
Welland										4		4
Whitby										4		4
Windsor										19	3	22
Woodstock										3		3
DISTRICT GAOLS												
Bracebridge												
Fort Frances										2		2
Gore Bay												
Haileybury				2		2				3		3
Kenora										1	1	2
North Bay										7		7
Parry Sound												
Port Arthur										6		6
Sault Ste. Marie										2	1	3
Sudbury	1		1							7	9	16
Totals	2		2	2		2				287	27	314

* City Gaols.

No. 2 (Concluded).

GAOL POPULATION

CITY and COUNTY GAOLS	Number remaining in custody awaiting trial March 31st, 1940			Number remaining in custody serving unexpired sentences or for other reasons March 31st, 1940			Total		
	M.	F.	T.	M.	F.	T.	Male	Female	Total
Barrie	1	....	1	16	....	16	494	10	504
Belleville	1	....	1	26	1	27	590	27	617
Brampton	....	....	....	2	....	2	126	2	128
Brantford	16	1	17	....	....	....	477	16	493
Brockville	....	....	....	15	2	17	316	13	329
Cayuga	....	....	....	3	....	3	111	2	113
Chatham	....	....	....	26	1	27	726	33	759
Cobourg	....	....	....	9	....	9	282	12	294
Cornwall	....	....	....	18	....	18	466	16	482
Goderich	2	....	2	3	....	3	119	8	127
Guelph	....	....	....	17	....	17	432	29	461
Hamilton*	2	....	2	80	3	83	1,672	118	17,90
Kingston	2	....	2	20	....	20	456	19	475
Kitchener	1	....	1	22	....	22	589	28	617
Lindsay	....	....	....	4	....	4	109	3	112
London	....	....	....	45	3	48	1,310	106	1,416
L'Orignal	....	....	....	5	....	5	145	9	154
Milton	....	2	2	1	....	1	97	8	105
Napanee	....	....	....	1	....	1	96	3	99
Orangeville	....	....	....	....	....	....	50	1	51
Ottawa	5	....	5	66	3	69	2,502	112	2,614
Owen Sound	....	....	....	8	1	9	220	7	227
Pembroke	....	....	....	11	....	11	320	10	330
Perth	....	....	....	11	....	11	216	6	222
Peterboro	....	....	....	16	....	16	394	10	404
Picton	....	....	....	1	....	1	106	2	108
St. Catharines	....	....	....	15	....	15	368	19	387
St. Thomas	....	....	....	6	....	6	359	15	374
Sarnia	....	....	....	8	....	8	336	16	352
Simcoe	....	....	....	4	....	4	272	24	296
Stratford	1	....	1	8	....	8	191	1	192
Toronto*	7	1	8	161	12	173	9,505	749	10,254
Walkerton	2	....	2	4	....	4	183	5	188
Welland	....	....	....	12	....	12	740	8	748
Whitby	2	....	2	17	....	17	423	15	438
Windsor	....	....	....	39	1	40	1,290	51	1,341
Woodstock	....	....	....	5	....	5	262	6	268
DISTRICT GAOLS									
Bracebridge	1	....	1	1	....	1	123	3	126
Fort Frances	1	....	1	6	....	6	233	11	244
Gore Bay	....	....	....	2	....	2	46	2	48
Haileybury	2	....	2	59	7	66	1,295	38	1,333
Kenora	....	....	....	28	1	29	473	27	500
North Bay	....	....	....	25	2	27	748	41	789
Parry Sound	1	....	1	6	....	6	180	6	186
Port Arthur	....	....	....	84	6	90	1,222	113	1,335
Sault Ste. Marie	1	....	1	23	2	25	409	36	445
Sudbury	1	....	1	111	3	114	1,607	123	1,730
Totals	49	4	53	1,050	48	1,098	32,686	1,919	34,605

TABLE

Criminal History, Number
and Number

CITY and COUNTY GAOLS	Criminal History of Those Committed							
	First Time		Second Time		Third Time		Over Three Times	
	Male	Female	Male	Female	Male	Female	Male	Female
Barrie	355	10	46	....	30	....	36	....
Belleville	303	24	94	2	79	1	73	....
Brampton	62	2	28	....	11	....	19	....
Brantford	227	9	69	3	39	....	117	3
Brockville	159	10	24	1	22	1	93	....
Cayuga	....	....	96	2	9	....	1	....
Chatham	252	14	107	7	98	3	245	9
Cobourg	132	9	58	3	33	....	40	....
Cornwall	214	13	75	1	62	1	101	1
Goderich	65	4	23	2	11	1	15	....
Guelph	187	19	115	5	66	2	40	3
Hamilton*	715	82	204	17	100	5	550	8
Kingston	279	15	29	3	28	....	90	1
Kitchener	229	18	68	5	76	1	186	4
Lindsay	52	3	18	....	7	....	28	....
London	649	50	190	8	81	8	331	38
L'Orignal	74	8	19	....	22	....	20	1
Milton	58	4	12	1	10	2	12	1
Napanee	45	3	13	....	10	....	22	....
Orangeville	22	....	10	....	3	....	9	1
Ottawa	2,086	106	182	2	45	....	98	2
Owen Sound	90	6	33	....	35	....	51	1
Pembroke	261	10	19	....	13	....	16	....
Perth	51	3	21	1	21	....	110	2
Peterboro	246	6	35	3	33	....	66	....
Picton	43	1	19	....	8	....	27	....
St. Catharines	122	12	46	3	31	2	149	2
St. Thomas	145	7	73	3	53	1	72	4
Sarnia	120	13	75	2	47	1	71	....
Simcoe	157	17	47	4	20	2	42	....
Stratford	130	1	19	....	7	....	18	....
Toronto*	3,896	425	1,551	102	1,295	79	2,589	131
Walkerton	100	3	35	....	19	2	23	....
Welland	302	5	116	1	66	....	211	1
Whitby	293	12	51	2	37	....	18	1
Windsor	960	40	132	10	63	....	92	....
Woodstock	180	5	33	....	21	....	14	....
DISTRICT GAOLS								
Bracebridge	72	2	18	....	13	....	18	....
Fort Frances	139	10	32	1	26	....	20	....
Gore Bay	27	1	8	1	3	....	6	....
Haileybury	530	21	223	7	88	4	377	1
Kenora	380	22	40	2	7	1	12	1
North Bay	207	19	203	9	140	5	148	5
Parry Sound	162	6	2	....	....	....	5	....
Port Arthur	879	81	134	17	94	6	20	....
Sault Ste. Marie	150	15	62	6	61	3	88	9
Sudbury	578	82	378	28	267	3	248	2
Totals	16.385	1,228	4,885	264	3,310	134	6,637	232

No. 3.

Over and Under Sixteen Committed.

CITY and COUNTY GAOLS	Under 16 years of Age			16 years of Age and over			Total number committed during Year		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Barrie	3		3	464	10	474	467	10	477
Belleville				549	27	576	549	27	576
Brampton				120	2	122	120	2	122
Brantford	1		1	451	15	466	452	15	467
Brockville	5		5	293	12	305	298	12	310
Cayuga				106	2	108	106	2	108
Chatham	20	1	21	682	32	714	702	33	735
Cobourg	9		9	254	12	266	263	12	275
Cornwall	3	1	4	449	15	464	452	16	468
Goderich	4		4	110	7	117	114	7	121
Guelph				408	29	437	408	29	437
Hamilton*	5		5	1,564	112	1,676	1,569	112	1,681
Kingston	3	1	4	423	18	441	426	19	445
Kitchener	2		2	557	28	585	559	28	587
Lindsay				105	3	108	105	3	108
London				1,251	104	1,355	1,251	104	1,355
L'Orignal				135	9	144	135	9	144
Milton	1		1	91	8	99	92	8	100
Napanee	1		1	89	3	92	90	3	93
Orangeville				44	1	45	44	1	45
Ottawa	2	2	4	2,409	108	2,517	2,411	110	2,521
Owen Sound				209	7	216	209	7	216
Pembroke				309	10	319	309	10	319
Perth	3	2	5	200	4	204	203	6	209
Peterboro				380	9	389	380	9	389
Picton				97	1	98	97	1	98
St. Catharines				348	19	367	348	19	367
St. Thomas				343	15	358	343	15	358
Sarnia	3		3	310	16	326	313	16	329
Simcoe	1	1	2	265	22	287	266	23	289
Stratford				174	1	175	174	1	175
Toronto*	5		5	9,326	737	10,063	9,331	737	10,068
Walkerton				177	5	182	177	5	182
Welland				695	7	702	695	7	702
Whitby	5		5	394	15	409	399	15	414
Windsor	10		10	1,237	50	1,287	1,247	50	1,297
Woodstock	1		1	247	5	252	248	5	253
DISTRICT GAOLS									
Bracebridge	1		1	120	2	122	121	2	123
Fort Frances	9		9	208	11	219	217	11	228
Gore Bay				44	2	46	44	2	46
Haileybury	2		2	1,216	33	1,249	1,218	33	1,251
Kenora	1		1	438	26	464	439	26	465
North Bay	3	3	6	695	35	730	698	38	736
Parry Sound	2		2	167	6	173	169	6	175
Port Arthur	9		9	1,118	104	1,222	1,127	104	1,231
Sault Ste. Marie	3		3	358	33	391	361	33	394
Sudbury	6	4	10	1,465	111	1,576	1,471	115	1,586
Totals	123	15	138	31,094	1,843	32,937	31,217	1,858	33,075

* City Gaols.

TABLE

Social Status and Habits of Prisoners Committed

CITY and COUNTY GAOLS	Married			Single			Could read and write		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Barrie	178	6	184	289	4	293	457	10	467
Belleville	221	13	234	328	14	342	535	27	562
Brampton	54	1	55	66	1	67	118	2	120
Brantford	149	15	164	303	....	303	437	15	452
Brockville	105	6	111	193	6	199	289	12	301
Cayuga	43	1	44	63	1	64	105	2	107
Chatham	220	24	244	482	9	491	679	33	712
Cobourg	98	6	104	165	6	171	262	11	273
Cornwall	171	8	179	281	8	289	370	13	383
Goderich	35	2	37	79	5	84	112	7	119
Guelph	259	15	274	149	14	163	405	29	434
Hamilton*	696	62	758	873	50	923	1,561	110	1,671
Kingston	141	9	150	285	10	295	422	19	441
Kitchener	155	14	169	404	14	418	559	28	587
Lindsay	41	3	44	64	....	64	102	3	105
London	380	64	444	871	40	911	1,250	104	1,354
L'Orignal	43	5	48	92	4	96	19	1	20
Milton	39	5	44	53	3	56	91	8	99
Napanee	19	2	21	71	1	72	80	3	83
Orangeville	13	1	14	31	....	31	43	1	44
Ottawa	576	43	619	1,835	67	1,902	2,288	102	2,390
Owen Sound	66	5	71	143	2	145	197	7	204
Pembroke	76	2	78	233	8	241	302	10	312
Perth	54	3	57	149	3	152	197	6	203
Peterboro	110	5	115	270	4	274	376	9	385
Picton	46	1	47	51	....	51	91	1	92
St. Catharines	106	11	117	242	8	250	345	19	364
St. Thomas	94	8	102	249	7	256	339	14	353
Sarnia	123	11	134	190	5	195	311	15	326
Simcoe	117	11	128	149	12	161	258	23	281
Stratford	60	1	61	114	....	114	173	1	174
Toronto*	3,539	410	3,949	5,792	327	6,119	9,224	731	9,955
Walkerton	77	4	81	100	1	101	172	3	175
Welland	159	2	161	536	5	541	678	7	685
Whitby	148	7	155	251	8	259	389	15	404
Windsor	383	23	406	864	27	891	1,194	49	1,243
Woodstock	82	1	83	166	4	170	241	5	246
DISTRICT GAOLS									
Bracebridge	47	2	49	74	....	74	118	2	120
Fort Frances	82	5	87	135	6	141	215	11	226
Gore Bay	19	2	21	25	....	25	38	2	40
Haileybury	288	25	313	930	8	938	1,118	32	1,150
Kenora	115	14	129	324	12	336	341	17	358
North Bay	254	18	272	444	20	464	543	32	575
Parry Sound	66	2	68	103	4	107	165	6	171
Port Arthur	200	37	237	927	67	994	1,096	101	1,197
Sault Ste. Marie	123	16	139	238	17	255	317	23	340
Sudbury	317	41	358	1,154	74	1,228	1,407	113	1,520
Totals	10,387	972	11,359	20,830	886	21,716	30,029	1,794	31,823

* City Gaols.

No. 4.

during the Year Ending March 31st, 1940.

CITY and COUNTY GAOLS	Illiterate			Temperate			Intemperate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Barrie	10	....	10	350	8	358	117	2	119
Belleville	14	....	14	320	21	341	229	6	235
Brampton	2	....	2	39	2	41	81	....	81
Brantford	15	....	15	224	7	231	228	8	236
Brockville	9	....	9	181	10	191	117	2	119
Cayuga	1	....	1	34	1	35	72	1	73
Chatham	23	....	23	492	23	515	210	10	220
Cobourg	1	1	2	106	7	113	157	5	162
Cornwall	82	3	85	107	9	116	345	7	352
Goderich	2	....	2	71	6	77	43	1	44
Guelph	3	....	3	127	26	153	281	3	284
Hamilton*	8	2	10	683	79	762	886	33	919
Kingston	4	....	4	75	10	85	351	9	360
Kitchener	.....	....	....	174	18	192	385	10	395
Lindsay	3	....	3	45	1	46	60	2	62
London	1	....	1	241	21	262	1,010	83	1,093
L'Orignal	116	8	124	88	7	95	47	2	49
Milton	1	....	1	34	5	39	58	3	61
Napanee	10	....	10	34	3	37	56	....	56
Orangeville	1	....	1	27	1	28	17	....	17
Ottawa	123	8	131	674	55	729	1,737	55	1,792
Owen Sound	12	....	12	33	4	37	176	3	179
Pembroke	7	....	7	39	1	40	270	9	279
Perth	6	....	6	75	4	79	128	2	130
Peterboro	4	....	4	224	9	233	156	....	156
Picton	6	....	6	22	1	23	75	....	75
St. Catharines	3	....	3	157	12	169	191	7	198
St. Thomas	4	1	5	296	11	307	47	4	51
Sarnia	2	1	3	126	8	134	187	8	195
Simcoe	8	....	8	122	13	135	144	10	154
Stratford	1	....	1	100	1	101	74	....	74
Toronto*	107	6	113	1,929	181	2,110	7,402	556	7,958
Walkerton	5	2	7	52	3	55	125	2	127
Welland	17	....	17	238	6	244	457	1	458
Whitby	10	....	10	184	7	191	215	8	223
Windsor	53	1	54	462	29	491	785	21	806
Woodstock	7	....	7	98	4	102	150	1	151
DISTRICT GAOLS									
Bracebridge	3	....	3	111	2	113	10	....	10
Fort Frances	2	....	2	106	7	113	111	4	115
Gore Bay	6	....	6	8	1	9	36	1	37
Haileybury	100	1	101	603	25	628	615	8	623
Kenora	98	9	107	194	20	214	245	6	251
North Bay	155	6	161	330	24	354	368	14	382
Parry Sound	4	....	4	49	4	53	120	2	122
Port Arthur	31	3	34	372	69	441	755	35	790
Sault Ste. Marie	44	10	54	74	11	85	287	22	309
Sudbury	64	2	66	131	58	189	1,340	57	1,397
Totals	1,188	64	1,252	10,261	835	11,096	20,956	1,023	21,979

TABLE

Prisoners Transferred

CITY and COUNTY GAOLS	Sentenced to Gaol and afterwards removed to a Reformatory		Sentenced to Gaol and afterwards removed to an Industrial Farm	Sentenced to and removed to a Reformatory		Sentenced to and removed to an Industrial Farm	Sentenced to and removed to a Penitentiary		
	Male	Female	Male	Male	Female	Male	M.	F.	T.
Barrie	3	......	2	46	......	30	1	.....	1
Belleville	4	......	......	39	4	......	10	.....	10
Brampton	2	......	3	6	......	4	6	.....	6
Brantford	26	......	16	3	......	3	9	.....	9
Brockville	37	......	1	......	......	......	12	.....	12
Cayuga	10	......	......	......	......	......	1	1	2
Chatham	......	3	......	52	3	......	15	.....	15
Cobourg	8	......	......	15	......	......	2	.....	2
Cornwall	......	......	......	13	4	20	7	.....	7
Goderich	......	......	......	4	......	3	5	.....	5
Guelph	......	1	......	42	8	......	3	.....	3
Hamilton*	42	6	......	155	20	......	49	1	50
Kingston	1	......	......	30	......	......	12	.....	12
Kitchener	16	......	......	36	......	17	10	.....	10
Lindsay	......	......	......	10	2	......	10	.....	10
London	......	......	......	92	14	......	22	3	25
L'Orignal	......	......	......	19	......	......	4	.....	4
Milton	......	......	1	9	......	4	3	.....	3
Napanee	......	......	1	......	......	6	4	.....	4
Orangeville	......	......	......	6	......	......	.....	.....	.....
Ottawa	2	......	2	98	12	53	36	.....	36
Owen Sound	......	......	......	19	......	12	1	.....	1
Pembroke	......	......	......	22	1	6	7	.....	7
Perth	......	......	......	4	2	......	1	.....	1
Peterboro	3	......	......	29	......	......	6	.....	6
Picton	2	......	......	4	......	......	3	.....	3
St. Catharines	19	1	......	1	......	......	14	.....	14
St. Thomas	......	......	1	20	3	......	1	.....	1
Sarnia	33	......	......	......	......	......	8	1	9
Simcoe	......	......	......	24	1	......	5	.....	5
Stratford	......	......	......	10	1	......	5	.....	5
Toronto*	849	117	1,259	396	......	358	146	2	148
Walkerton	1	......	......	8	2	......	5	1	6
Welland	8	1	......	48	1	......	11	.....	11
Whitby	......	......	......	28	......	7	9	.....	9
Windsor	1	......	1	61	......	33	37	.....	37
Woodstock	......	......	......	12	1	4	6	.....	6
DISTRICT GAOLS									
Bracebridge	2	......	......	22	1	7	4	.....	4
Fort Frances	......	......	......	9	......	2	5	.....	5
Gore Bay	1	......	......	......	1	3	2	.....	2
Haileybury	19	1	642	15	1	3	19	.....	19
Kenora	......	......	......	13	1	7	3	.....	3
North Bay	......	......	......	75	8	52	13	.....	13
Parry Sound	......	......	......	21	1	......	4	.....	4
Port Arthur	6	......	10	26	1	25	6	.....	6
Sault Ste. Marie	10	......	5	......	9	10	2	.....	2
Sudbury	11	16	180	......	......	......	16	.....	16
Totals	1,116	146	2,124	1,542	102	669	560	9	569

* City Gaols.

No. 5.

To Other Institutions.

CITY and COUNTY GAOLS	Sentenced to and removed to an Industrial Refuge			Transferred to an Industrial School			Transferred to a Mental Hospital or to some other place of confinement			Total		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	Male	Fem'l	Total
Barrie	1	....	1	2	....	2	13	3	16	98	3	101
Belleville	....	....	....	....	1	1	21	1	22	74	6	80
Brampton	....	....	....	2	....	2	6	....	6	29	....	29
Brantford	....	....	....	....	....	....	11	3	14	68	3	71
Brockville	1	....	1	3	....	3	6	2	8	60	2	62
Cayuga	....	....	....	....	....	....	3	....	3	14	1	15
Chatham	....	5	5	8	....	8	4	3	7	79	14	93
Cobourg	....	....	....	5	....	5	6	2	8	36	2	38
Cornwall	....	2	2	3	....	3	15	....	15	58	6	64
Goderich	....	....	....	1	....	1	10	4	14	23	4	27
Guelph	....	....	....	....	....	....	18	2	20	63	11	74
Hamilton*	....	3	3	1	....	1	10	2	12	257	32	289
Kingston	....	....	....	....	....	....	9	....	9	52	....	52
Kitchener	....	1	1	3	....	3	32	18	50	114	19	133
Lindsay	....	....	....	....	....	....	3	....	3	23	2	25
London	....	1	1	....	....	....	11	1	12	125	19	144
L'Orignal	....	....	....	....	....	....	7	1	8	30	1	31
Milton	....	....	....	....	....	....	3	....	3	20	....	20
Napanee	....	....	....	....	....	....	3	....	3	14	....	14
Orangeville	....	....	....	....	....	....	5	....	5	11	....	11
Ottawa	....	....	....	....	....	....	....	1	1	191	13	204
Owen Sound	....	....	....	....	....	....	8	3	11	40	3	43
Pembroke	....	....	....	....	....	....	3	....	3	38	1	39
Perth	....	....	....	....	1	1	5	....	5	10	3	13
Peterboro	....	....	....	....	....	....	10	....	10	48	....	48
Picton	....	....	....	....	....	....	6	1	7	15	1	16
St. Catharines	....	....	....	....	....	....	1	1	2	35	2	37
St. Thomas	....	....	....	....	....	....	5	1	6	27	4	31
Sarnia	....	....	....	2	....	2	4	....	4	47	1	48
Simcoe	....	....	....	....	....	....	9	1	10	38	2	40
Stratford	....	....	....	....	....	....	1	....	1	16	1	17
Toronto*	....	....	....	....	....	....	64	8	72	3,072	127	3,199
Walkerton	....	....	....	....	....	....	4	1	5	18	4	22
Welland	....	....	....	....	....	....	7	....	7	74	2	76
Whitby	....	....	....	....	....	....	18	3	21	62	3	65
Windsor	....	6	6	2	....	2	14	4	18	149	10	159
Woodstock	....	....	....	....	....	....	8	....	8	30	1	31
DISTRICT GAOLS												
Bracebridge	....	....	....	....	....	....	1	....	1	36	1	37
Fort Frances	....	....	....	1	....	1	5	2	7	22	2	24
Gore Bay	....	....	....	....	....	....	1	....	1	7	1	8
Haileybury	....	....	....	....	....	....	41	7	48	739	9	748
Kenora	....	....	....	....	....	....	10	5	15	33	6	39
North Bay	....	....	....	3	....	3	52	6	58	195	14	209
Parry Sound	....	....	....	....	....	....	1	....	1	26	1	27
Port Arthur	....	....	....	4	1	5	36	21	57	113	23	136
Sault Ste. Marie	2	....	2	1	....	1	6	1	7	36	10	46
Sudbury	....	....	....	4	2	6	41	6	47	252	24	276
Totals	4	18	22	45	5	50	557	114	671	6,617	394	7,011

TABLE

Period of Sentences—To Gaols,

CITY and COUNTY GAOLS	Suspended Sentences			Under 30 days			30 days and under 60 days			60 days or 2 months		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	30	.....	30	118	4	122	53	2	55	36	...	36
Belleville	42	2	44	220	4	224	51	4	55	34	1	35
Brampton	18	1	19	25	....	25	8	.....	8	2	...	2
Brantford	52	1	53	141	2	143	50	1	51	10	...	10
Brockville	21	2	23	133	1	134	38	.....	38	9	...	9
Cayuga	8	.....	8	59	....	59	12	.....	12	5	...	5
Chatham	123	5	128	332	6	338	63	4	67	11	1	12
Cobourg	29	3	32	94	1	95	23	1	24	18	...	18
Cornwall	36	3	39	177	1	178	70	1	71	11	1	12
Goderich	7	1	8	17	1	18	5	.....	5	5	1	6
Guelph	11	.....	11	58	2	60	129	4	133	25	...	25
Hamilton*	102	8	110	470	17	487	235	8	243	62	1	63
Kingston	17	2	19	209	6	215	64	1	65	8	...	8
Kitchener	42	1	43	51	....	51	234	2	236	10	1	11
Lindsay	10	.....	10	35	1	36	17	.....	17	4	...	4
London	109	9	118	515	41	556	150	13	163	37	2	39
L'Orignal	4	4	8	43	2	45	10	.....	10	4	...	4
Milton	8	1	9	32	2	34	12	.....	12	2	...	2
Napanee	3	1	4	40	....	40	8	.....	8	8	...	8
Orangeville	4	.....	4	9	....	9	6	1	7	1	...	1
Ottawa	160	27	187	1,289	26	1,315	246	9	255	40	1	41
Owen Sound	10	.....	10	78	....	78	18	1	19	20	1	21
Pembroke	9	1	10	181	7	188	34	.....	34	13	...	13
Perth	16	1	17	91	....	91	34	.....	34	13	...	13
Peterboro	19	.....	19	207	3	210	46	.....	46	11	2	13
Picton	8	....	8	35	....	35	17	.....	17	3	...	3
St. Catharines	11	4	15	177	7	184	40	1	41	23	1	24
St. Thomas	30	3	33	192	5	197	34	.....	34	10	...	10
Sarnia	27	1	28	155	7	162	29	2	31	4	...	4
Simcoe	30	9	39	85	1	86	15	.....	15	11	...	11
Stratford	29	.....	29	63	....	63	21	.....	21	9	...	9
Toronto*	1,949	183	2,132	1,785	67	1,852	1,596	142	1,738	407	52	459
Walkerton	15	1	16	44	....	44	22	.....	22	21	...	21
Welland	23	4	27	397	....	397	106	2	108	15	...	15
Whitby	12	1	13	160	6	166	44	1	45	17	...	17
Windsor	92	2	94	629	7	636	127	1	128	29	...	29
Woodstock	11	2	13	124	1	125	15	.....	15	3	...	3
DISTRICT GAOLS												
Bracebridge	3	.....	3	53	1	54	8	.....	8	6	...	6
Fort Frances	32	4	36	85	4	89	22	.....	22	10	...	10
Gore Bay	5	.....	5	21	....	21	5	1	6	1	...	1
Haileybury	7	1	8	88	2	90	636	6	642	93	3	96
Kenora	28	8	36	236	5	241	53	1	54	20	2	22
North Bay	43	4	47	200	4	204	69	2	71	40	1	41
Parry Sound	10	1	11	59	1	60	13	.....	13	9	..	9
Port Arthur	34	3	37	519	21	540	252	18	270	63	20	83
Sault Ste. Marie	1	.....	1	93	4	97	106	9	115	26	1	27
Sudbury	34	4	38	645	19	664	163	16	179	125	13	138
Totals	3,324	308	3,632	10,469	289	10,758	5,009	254	5,263	1,344	105	1,449

* City Gaols.

No. 6.

Reformatories, Penitentiaries or Elsewhere.

CITY and COUNTY GAOLS	3 months			4 months			5 months			6 months and under 9 months		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	26	.....	26	2	.....	2	1	.....	1	6	.....	6
Belleville	33	1	34	1	.....	1	.....	.....	.....	7	1	8
Brampton	4	.....	4	1	.....	1	.....	.....	.....	2	.....	2
Brantford	30	1	31	5	1	6	.....	.....	.....	16	.....	16
Brockville	16	2	18	3	.....	3	.....	.....	.....	.....	.....	.....
Cayuga	1	1	2	1	.....	1	.....	.....	.....	.....	.....	.....
Chatham	44	2	46	3	1	4	3	1	4	2	.....	2
Cobourg	10	1	11	1	.....	1	1	.....	1	5	.....	5
Cornwall	29	2	31	5	.....	5	1	.....	1	20	1	21
Goderich	5	.....	5	2	.....	2	.....	.....	.....	1	.....	1
Guelph	28	1	29	.....	.....	.....	1	.....	1	10	4	14
Hamilton*	163	5	168	17	.....	17	5	.....	5	19	1	20
Kingston	37	.....	37	2	.....	2	.....	1	1	8	.....	8
Kitchener	8	.....	8	6	.....	6	.....	.....	.....	17	1	18
Lindsay	8	.....	8	1	.....	1	1	.....	1	.....	.....	.....
London	65	12	77	1	.....	1	1	.....	1	28	2	30
L'Orignal	10	1	11	.....	.....	.....	.....	.....	.....	5	.....	5
Milton	1	.....	1	.....	.....	.....	.....	.....	.....	2	.....	2
Napanee	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Orangeville	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ottawa	90	5	95	16	.....	16	2	.....	2	11	7	18
Owen Sound	15	.....	15	1	.....	1	.....	.....	.....	5	.....	5
Pembroke	12	.....	12	1	.....	1	.....	.....	.....	4	.....	4
Perth	16	.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....
Peterboro	15	.....	15	1	.....	1	4	.....	4	1	.....	1
Picton	5	.....	5	.....	.....	.....	1	.....	1	.....	.....	.....
St. Catharines	30	.....	30	4	.....	4	1	.....	1	6	.....	6
St. Thomas	3	1	4	2	.....	2	.....	.....	.....	3	1	4
Sarnia	25	.....	25	.....	.....	.....	.....	.....	.....	1	.....	1
Simcoe	6	2	8	2	.....	2	.....	.....	.....	3	.....	3
Stratford	4	.....	4	2	.....	2	1	.....	1	1	.....	1
Toronto*	502	29	531	104	1	105	4	.....	4	142	5	147
Walkerton	9	.....	9	1	.....	1	2	.....	2	3	.....	3
Welland	17	.....	17	4	.....	4	2	.....	2	3	1	4
Whitby	25	2	27	6	.....	6	.....	.....	.....	5	.....	5
Windsor	51	2	53	6	.....	6	.....	.....	.....	4	.....	4
Woodstock	8	.....	8	6	.....	6	.....	.....	.....	4	.....	4
DISTRICT GAOLS												
Bracebridge	3	.....	3	.....	.....	.....	.....	.....	.....	1	.....	1
Fort Frances	7	.....	7	2	.....	2	.....	.....	.....	2	.....	2
Gore Bay	3	.....	3	.....	.....	.....	.....	.....	.....	1	.....	1
Haileybury	162	10	172	13	.....	13	1	.....	1	60	1	61
Kenora	19	.....	19	6	.....	6	5	.....	5	.....	.....	.....
North Bay	21	1	22	2	.....	2	.....	.....	.....	53	1	54
Parry Sound	12	.....	12	.....	.....	.....	1	.....	1	9	1	10
Port Arthur	58	7	65	12	.....	12	4	.....	4	23	.....	23
Sault Ste. Marie	21	1	22	5	.....	5	1	.....	1	4	.....	4
Sudbury	88	3	91	31	5	36	6	.....	6	20	.....	20
Totals	1,750	92	1,842	278	8	286	49	2	51	517	27	544

TABLE

Period of Sentences—To Gaols,

CITY and COUNTY GAOLS	9 months and under 12 months			12 months and under 18 months			18 months and under 24 months			Indeterminate with definite or other sentences		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	2		2	8		8	5		5	52		52
Belleville	1		1	8		8	4	1	5	31	2	33
Brampton	1		1	2		2				11		11
Brantford	1		1	13		13	2		2	10		10
Brockville	1		1	4		4	4		4	33	2	35
Cayuga										10		10
Chatham	1		1				1		1	47	10	57
Cobourg				3		3	4		4	10		10
Cornwall	1		1	11	1	12	8		8	7	3	10
Goderich				1		1				6		6
Guelph				2	1	3		1	1	26	2	28
Hamilton*	3		3	5		5	3		3	149	23	172
Kingston	2		2	4		4	3		3	12		12
Kitchener				20		20	6		6	9		9
Lindsay				1		1				11	2	13
London	1		1	7		7	12		12	53	4	57
L'Orignal	2		2	8		8	3		3	16		16
Milton							3		3	9		9
Napanee				1		1				6		6
Orangeville										4		4
Ottawa	4		4	1	1	2	3	1	4	130	2	132
Owen Sound				10		10	5		5	14		14
Pembroke		1	1	1		1				22		22
Perth							1	1	2	2	2	4
Peterboro				3		3	1		1	26		26
Picton										4		4
St. Catharines	1		1	5		5	4	1	5	1	1	2
St. Thomas				6		6	5		5	7	1	8
Sarnia				3		3	1		1	28		28
Simcoe				3		3	2		2	20	1	21
Stratford	1		1		1	1	2		2	8		8
Toronto*	36	3	39	116	6	122	65		65	296	2	298
Walkerton				1	1	2				7	1	8
Welland	1		1	2		2	6		6	29		29
Whitby				1		1	5		5	32		32
Windsor	2	1	3	9	2	11		1	1	84	2	86
Woodstock				5		5	4		4	1		1
DISTRICT GAOLS												
Bracebridge	1		1	1		1				27	1	28
Fort Frances				2		2				11		11
Gore Bay				3		3				1	1	2
Haileybury	6	1	7	22		22	15		15	14		14
Kenora	1		1	4		4				17	1	18
North Bay	9		9	22	1	23	16		16	23	6	29
Parry Sound	3		3	3		3	2		2			
Port Arthur	2		2	13		13	7		7	29	2	31
Sault Ste. Marie				3	1	4	2		2	22	8	30
Sudbury	1	1	2	15	2	17	3		3	26	2	28
Totals	84	7	91	352	17	369	207	6	213	1,393	81	1,474

* City Gaols

No. 6 (Concluded).

Reformatories, Penitentiaries or Elsewhere.

CITY and COUNTY GAOLS	2 years and over to Penitentiaries			Sentenced to death and executed			Sentenced to death but sentence commuted			Totals		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	2		2							341	6	347
Belleville	10		10							442	16	458
Brampton	4		4							78	1	79
Brantford	9		9							339	6	345
Brockville	12		12							274	7	281
Cayuga	1	1	2							97	2	99
Chatham	15		15	1		1				646	30	676
Cobourg	2		2							200	6	206
Cornwall	7		7							383	13	396
Goderich	5		5							54	3	57
Guelph	3		3							293	15	308
Hamilton*	49	1	50							1,282	64	1,346
Kingston	6		6							372	10	382
Kitchener	10		10	1		1				414	5	419
Lindsay	10		10							98	3	101
London	21	2	23							1,000	85	1,085
L'Orignal	4		4							109	7	116
Milton	3		3							72	3	75
Napanee	4		4							73	1	74
Orangeville										26	1	27
Ottawa	34		34							2,026	79	2.105
Owen Sound	1		1							177	2	179
Pembroke	7		7							284	9	293
Perth	1		1							174	4	178
Peterboro	6		6							340	5	345
Picton	2		2							75		75
St. Catharines	15		15							318	15	333
St. Thomas	1		1							293	11	304
Sarnia	8	1	9							281	11	292
Simcoe	5		5							182	13	195
Stratford	5		5							146	1	147
Toronto*	147	2	149	1		1				7,150	492	7,642
Walkerton	5	1	6							130	4	134
Welland	11		11	1		1				617	7	624
Whitby	8		8							315	10	325
Windsor	42		42							1,075	18	1,093
Woodstock	6		6							187	3	190
DISTRICT GAOLS												
Bracebridge	4		4							107	2	109
Fort Frances	5		5							178	8	186
Gore Bay	2		2							42	2	44
Haileybury	21		21							1,138	24	1,162
Kenora	7		7							396	17	413
North Bay	13		13							511	20	531
Parry Sound	5		5							126	3	129
Port Arthur	4		4							1,020	71	1,091
Sault Ste. Marie	1		1							285	24	309
Sudbury	16		16							1,173	65	1,238
Totals	559	8	567	4		4				25,339	1,204	26,543

TABLE

Cell Accommodation: Days Stay: Greatest, Least and Average Number of

CITY and COUNTY GAOLS	Male accomodation	Female accomodation	Greatest No. of Male and Female prisoners during year	Greatest No. of Male prisoners during year	Greatest No. of Female prisoners during year	Least No. of Male and Female prisoners during year	Least No. of Male prisoners during year	Least No. of Female prisoners during year	Average daily gaol population.
Barrie	24	3	47	47	2	14	14	......	29.6
Belleville	18	6	55	54	5	18	18	......	31.8
Brampton	24	8	9	14	2	7	1	1	5.9
Brantford	24	8	38	37	3	9	7	1	23.2
Brockville	24	4	28	27	3	6	5	......	17.6
Cayuga	8	4	13	13	1	1	1	1	6.8
Chatham	35	6	71	66	5	17	16	......	37.0
Cobourg	22	6	29	30	2	4	4	......	16.4
Cornwall	18	4	44	43	3	19	16	......	30.5
Goderich	9	3	13	13	4	2	2	......	7.4
Guelph	28	6	33	32	4	18	8	1	22.5
Hamilton*	84	13	136	131	9	79	78	......	106.9
Kingston	31	15	43	42	3	17	16	......	25.2
Kitchener	45	5	51	50	3	24	17	......	33.0
Lindsay	30	6	14	14	1	1	1	......	7.1
London	96	9	98	86	10	49	43	2	69.4
L'Original	18	6	23	21	3	5	4	......	9.7
Milton	17	6	10	9	2	......	......	......	4.2
Napanee	19	5	13	11	2	1	1	......	4.3
Orangeville	18	5	9	8	1	......	......	......	3.1
Ottawa	96	16	118	116	10	65	61	......	98.4
Owen Sound	34	3	26	26	2	6	6	......	15.8
Pembroke	24	8	16	24	3	9	7	1	16.1
Perth	18	6	15	21	2	6	6	......	11.9
Peterboro	18	6	39	39	2	10	10	......	19.2
Picton	15	3	15	15	1	1	1	......	6.7
St. Catharines	35	8	38	40	3	14	13	......	26.7
St. Thomas	13	4	25	24	3	6	6	......	15.4
Sarnia	31	6	29	29	4	6	6	......	19.2
Simcoe	19	5	23	21	6	3	2	......	11.2
Stratford	23	4	17	17	1	2	2	......	9.9
Toronto*	248	39	314	290	31	119	102	6	250.3
Walkerton	28	4	20	19	1	4	4	......	12.0
Welland	52	9	52	56	2	24	17	1	34.4
Whitby	23	6	39	39	4	13	12	......	25.7
Windsor	81	30	96	94	8	48	46	......	65.5
Woodstock	26	3	19	24	1	7	5	1	11.2
DISTRICT GAOLS									
Bracebridge	8	2	8	15	1	......	......	......	4.9
Fort Frances	20	4	17	20	2	6	4	......	10.1
Gore Bay	9	2	6	9	2	......	......	......	2.9
Haileybury	27	3	102	97	8	21	20	1	64.4
Kenora	22	6	56	53	5	13	13	......	28.9
North Bay	50	9	57	52	6	20	18	......	35.6
Parry Sound	20	2	14	20	1	4	3	......	10.2
Port Arthur	64	9	123	110	20	43	41	......	88.6
Sault Ste. Marie	20	3	54	51	4	18	17	......	32.1
Sudbury	59	10	148	139	12	50	47	......	87.9
Totals									

*City Gaols

No. 7.

Prisoners for the Year Ending March 31st, 1940.

CITY and COUNTY GAOLS	Number committed during year	Number paid for by province	Number paid for by municipality	Number of days stay of government prisoners	Number of days stay of municipality prisoners	Total number of days stay of all prisoners
Barrie	477	169	308	5,372	5,438	10,810
Belleville	576	140	436	5,296	6,312	11,608
Brampton	122	53	69	1,086	1,059	2,145
Brantford	467	115	352	3,645	4,838	8,483
Brockville	310	70	240	1,885	4,532	6,417
Cayuga	108	36	72	884	1,595	2,479
Chatham	735	232	503	3,441	10,079	13,520
Cobourg	275	72	203	3,195	2,776	5,971
Cornwall	468	198	270	5,698	5,424	11,122
Goderich	121	60	61	1,941	747	2,688
Guelph	437	75	362	1,484	6,714	8,198
Hamilton*	1,681	524	1,157	12,448	26,576	39,024
Kingston	445	147	298	3,470	5,727	9,197
Kitchener	587	106	481	1,548	10,508	12,056
Lindsay	108	54	54	1,834	753	2,587
London	1,355	325	1,030	7,286	18,033	25,319
L'Orignal	144	67	77	2,503	1,039	3,542
Milton	100	46	54	1,124	411	1,535
Napanee	93	32	61	1,027	535	1,562
Orangeville	45	13	32	695	449	1,144
Ottawa	2,521	510	2,011	11,608	24,292	35,900
Owen Sound	216	98	118	3,582	2,196	5,778
Pembroke	319	96	223	2,674	3,193	5,867
Perth	209	40	169	1,198	3,147	4,345
Peterboro	389	85	304	2,138	4,881	7,019
Picton	98	58	40	1,621	818	2,439
St. Catharines	367	82	285	3,348	6,383	9,731
St. Thomas	358	74	284	1,653	3,960	5,613
Sarnia	329	84	245	2,438	4,585	7,023
Simcoe	289	71	218	1,743	2,359	4,102
Stratford	175	46	129	1,565	2,032	3,597
Toronto*	10,068	2,009	8,059	21,382	69,983	91,365
Walkerton	182	74	108	2,274	2,124	4,398
Welland	702	128	574	3,094	9,445	12,539
Whitby	414	140	274	3,987	5,384	9,371
Windsor	1,297	312	985	5,552	18,353	23,905
Woodstock	253	58	195	1,642	2,445	4,087
DISTRICT GAOLS						
Bracebridge	123	123	....	1,802	....	1,802
Fort Frances	228	228	....	3,694	....	3,694
Gore Bay	46	46	....	1,072	....	1,072
Haileybury	1,251	1,251	....	23,514	....	23,514
Kenora	465	465	....	10,553	....	10,553
North Bay	736	736	....	12,981	....	12,981
Parry Sound	175	175	....	3,708	....	3,708
Port Arthur	1,231	175	1,056	7,620	24,729	32,349
Sault Ste. Marie	394	394	....	11,716	....	11,716
Sudbury	1,586	1,586	....	32,096	....	32,096
Totals	33,075	11,678	21,397	246,117	303,854	549,971

* City Gaols.

TABLE No. 8.

Maintenance and Average Cost of Each Prisoner and Total Cost for Year in City, County and District Gaols.

CITY and COUNTY GAOLS	Cost of food, clothing, fuel and general maintenance	Cost of officer's salaries	Cost of repairs	Total expenditure for maintenance for the year	Average Cost of each prisoner per day	Average cost per day for food, clothing, fuel and general mainteance	Daily per capita dietary cost
Barrie..........	$ 3,100.94	$ 4,897.50	$ 382.81	$ 8,381.25	$ .78	$ .2869	$.1660
Belleville.......	3,564.69	3,420.00	110.00	7,094.69	.61	.3071	.1483
Brampton.......	1,407.90	2,816.45	401.74	4,626.09	2.16	.6564	.1716
Brantford.......	2,356.29	6,388.00	300.00	9,044.29	1.07	.2778	.1251
Brockville.......	1,973.92	2,910.95	956.55	5,841.42	.91	.3076	.1445
Cayuga.........	817.77	2,264.00	90.64	3,172.41	1.28	.3299	.1675
Chatham.......	4,063.17	5,919.17	2,401.72	12,384.06	.92	.3006	.1250
Cobourg........	3,123.69	2,743.25	252.81	6,119.75	1.02	.5231	.1349
Cornwall........	4,058.79	7,247.95	558.19	11,864.93	1.07	.3649	.1407
Goderich........	1,339.18	2,596.50	423.03	4,358.71	1.62	.4982	.1275
Guelph.........	2,739.02	4,266.00	914.26	7,919.28	.97	.3341	.1378
Hamilton*......	11,987.00	20,540.00	976.00	33,503.00	.86	.3072	.1761
Kingston........	2,444.92	4,149.50	469.67	7,064.09	.77	.2658	.1279
Kitchener.......	4,525.25	5,899.50	1,200.00	11,624.75	.96	.3754	.1551
Lindsay.........	1,508.18	3,067.50	249.31	4,824.99	1.87	.5830	.1352
London.........	7,203.44	14,550.57	4,463.34	26,217.35	1.04	.2845	.1419
L'Orignal.......	1,192.00	2,419.00	136.45	3,747.45	1.06	.3365	.1659
Milton..........	1,217.10	2,421.82	530.28	4,169.20	2.72	.7929	.1442
Napanee........	822.53	2,750.00	393.89	3,966.42	2.54	.5266	.1405
Orangeville......	1,220.68	2,740.00	177.54	4,138.22	3.62	1.0670	.2021
Ottawa.........	17,745.39	17,927.00	553.88	36,226.27	1.01	.4943	.1521
Owen Sound.....	2,299.43	3,514.00	538.11	6,351.54	1.10	.3980	.1416
Pembroke.......	1,320.46	3,234.00	100.00	4,654.46	.79	.2251	.1526
Perth...........	1,791.85	2,973.50	1,121.23	5,886.58	1.36	.4124	.1669
Peterboro.......	2,127.38	3,028.50	599.96	5,755.84	.82	.3031	.1504
Picton..........	1,363.80	1,555.40	179.54	3,098.74	1.27	.5592	.1661
St. Catharines...	3,516.55	3,723.00	366.15	7,605.70	.78	.3614	.1463
St. Thomas.....	2,376.56	4,627.28	877.35	7,881.19	1.40	.4234	.1563
Sarnia..........	2,154.82	3,983.00	614.99	6,752.81	.96	.3068	.1606
Simcoe.........	1,553.67	3,206.00	965.10	5,724.77	1.40	.3788	.1414
Stratford........	1,667.02	3,086.80	707.27	5,461.09	1.52	.4634	.1141
Toronto*.......	23,168.16	67,938.94	3,351.66	94,458.76	1.03	.2536	.1270
Walkerton......	857.18	2,766.40	....	3,623.58	.82	.1949	.1375
Welland........	3,877.60	6,000.00	5,000.00	14,877.60	1.19	.3092	.1990
Whitby.........	4,995.77	4,317.50	217.65	9,530.92	1.02	.5331	.1570
Windsor........	8,522.85	14,612.78	940.87	24,076.50	1.01	.3565	.1448
Woodstock......	1,804.23	3,196.00	1,637.78	6,638.01	1.62	.4415	.1048
DISTRICT GAOLS							
Bracebridge.....	451.02	2,304.50	....	2,755.52	1.53	.2503	.1457
Fort Frances....	1,041.59	5,228.63	....	6,270.22	1.70	.2820	.1655
Gore Bay.......	804.84	1,921.00	297.75	3,023.59	2.82	.7508	.1739
Haileybury......	6,716.78	11,042.50	541.49	18,300.77	.78	.2857	.1395
Kenora.........	3,957.14	8,092.00	70.80	12,119.94	1.15	.3750	.1634
North Bay......	5,143.88	10,355.86	275.79	15,775.53	1.22	.3963	.1558
Parry Sound.....	1,087.91	4,175.00	25.00	5,287.91	1.43	.2934	.1734
Port Arthur.....	11,031.18	15,841.50	....	26,872.68	.83	.3410	.1898
Sault Ste. Marie.	5,262.68	6,683.50	471.12	12,417.30	1.06	.4492	.1848
Sudbury........	9,671.99	11,497.00	....	21,168.99	.66	.3013	.1530
Totals......	$186,978.19	$ 330,839.25	$ 34,841.72	$ 552,659.16	1.00	.3400	.1504

*City Gaols.

REPORT

OF THE

Minister of Public Welfare

Province of Ontario

FOR THE FISCAL YEAR

1938 - 1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 19, 1940

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty.
1940

TO:

THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario, in Council.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to transmit herewith the Eighth Annual Report of the Department of Public Welfare for the fiscal year 1938-1939.

I have the honour to be, Sir,

Your obedient servant,

ERIC CROSS,
Minister.

TORONTO,
March 31st, 1939.

TABLE OF CONTENTS

Page

1. REPORT OF THE DEPUTY MINISTER 5
2. APPENDICES 7

PART I

APPENDIX A—Old Age Pensions Commission 9
APPENDIX B—Mothers' Allowances Commission 12
APPENDIX C—Report of Medical Officer 15
APPENDIX D—Report of Supervisor of Investigators 16
APPENDIX E—Children's Aid Branch 17
Directory of Children's Aid Superintendents 18
APPENDIX F—Unemployment Relief Branch—Director's Report 19
APPENDIX G—Soldiers' Aid Commission 21
APPENDIX H—Report of Inspector of Refuges 23
APPENDIX I—Children's Institutions 24

FINANCIAL REPORTS

PART II

1. Department of Public Welfare 27
2. Old Age and Blind Pensions 29
3. Mothers' Allowances 34
4. Children's Aid Societies 36
5. Soldiers' Aid Commission 38

STATISTICAL REPORTS

PART III

1. Old Age Pensions 44
2. Pensions for the Blind 48
3. Mothers' Allowances 52
4. Children's Aid Branch 54
Adoption Statistics 58
5. Soldiers' Aid Commission 59
6. Refuges 61
7. Orphanages 72

TO THE HONOURABLE ERIC CROSS,

Minister of Public Welfare.

I beg to submit herewith a report covering the activities of the Department of Public Welfare for the fiscal year commencing April 1st, 1938, and ending March 31st, 1939.

During the period under review, the Old Age Pensions Commission dealt with 18,825 cases, of which 8,225 were new awards, and after cancellations due to death, etc., the close of the fiscal year brought the pension list to 58,858 pensioners, an increase of 1,328 over the previous year. The expenditures for this period were $13,023,316.00, of which the Province of Ontario contributed twenty-five per cent. and the Dominion Government seventy-five per cent. The yearly expenditure for this service has more than doubled during the last ten years. In the fiscal year 1929-30 $6,593,821.00 was paid, compared with the $13,023,316.00 for the year under review. Not only is the total cost of pension payments and the number of pensioners showing an increase but there is a steady rise in the percentage of pensioners to persons over seventy years of age. It has risen from 30.30 per cent. in 1933 to 34.54 per cent. in 1937, and the peak has not yet been reached. With this large expenditure of public funds, every care has been taken to keep free from abuses the benefits arising from the Act. Fifty-seven trained workers are assigned to different parts of the province to investigate all new applications and to insure that those in receipt of pension continue to be eligible. The cost of this external administration, as well as the internal administration, is borne one hundred per cent. by the Provincial Treasury.

Pensions for the blind are also administered by the Old Age Pensions Commission and now number 1,154. The Department of Pensions and National Health must be congratulated at this time upon their splendid co-operation in assisting applicants to obtain eye examinations, as well as pensioners when re-examination is found to be necessary.

The bringing of assistance to widowed or deserted mothers and an opportunity to fatherless children commands general approval. The close of this fiscal year shows that $5,016,508.50 was paid, one hundred per cent. by the Province of Ontario, to 13,937 beneficiaries who were caring for 29,630 children, and the administration of Mothers' Allowances continues with unabated efficiency. The policy of investigating both Mothers' Allowance and Old Age Pension cases by the same group of Investigators has been continued and is proving very satisfactory from a financial and efficiency point of view. The keeping together of families through the medium of Mothers' Allowance will be of immeasurable value in our social and economic fabric.

The Medical Officer of the Department of Public Welfare has given the major portion of his time to the Mothers' Allowances Commission in diagnosing cases where the application is made under the incapacitation clause of the Act, also to those active cases where review is necessary. In this work the medical profession generally has co-operated in a generous and effective manner. The assistance of the Department of Health through its Tuberculosis Prevention Division has been of inestimable value.

The Supervisor of Old Age Pensions and Mothers' Allowances Investigators, through the medium of the Commissions, has inaugurated several changes in the work of investigation, which have been most helpful.

During the year under review, the Children's Aid Branch reports 986 adoptions completed—the largest number since 1921, when the Adoption Act came into force. Moreover, the Societies have waiting lists of persons desiring to adopt children. The fifty-three Children's Aid Societies were called upon by the end of the fiscal year to provide care for 10,742 children. 2,371 cases were dealt with during the period under the Children of Unmarried Parents' Act. This is a slight decrease from the previous year, although the effort to collect funds to support these children born out of wedlock has increased.

The work of the Unemployment Relief Branch has been particularly heavy during the past months, owing to the reorganization and strengthening of both internal and external administration. Many municipalities were assisted during the year by officials of the department in connection with their relief problems, which resulted in improvements in administration and in the lowering of relief costs in these centres. The costs of unemployment relief in the fiscal year 1938-39 were $22,374,553.00, of which the province's share was 45.64 per cent.

The Soldiers' Aid Commission continues to function efficiently in its work of rehabilitating veterans of the Great War and their families. The Garden Land Settlement near Barrie is reported to be showing good results. The families are quite contented, the produce grown was excellent and the marketing of same was closely supervised by a representative of the Commission. An artesian well was drilled during the year, which will supply over 2,000 gallons of water per hour. The water will be piped throughout the Settlement at a later date. We are indebted to the Department of Education for assistance in providing education for the children of these settlers. It is encouraging to watch the men and their families grasp the opportunity to become self-supporting. The Commission's work is largely in the nature of meeting emergency calls. They stand ready to assist the veteran, not only financially but by advice, and in helping him to secure employment. The Trust Funds held by the Commission are carefully and wisely handled.

9,061 persons were cared for during the past year in our County, City and District Houses of Refuge. The department has maintained close supervision over these Homes, which number 73. The interest shown by Boards of Management and by the municipal officers has been splendid. Many necessary changes and enlargements for the safety and comfort of these aged persons were effected during the year.

Supervision of Children's Institutions, including assistance in arranging health programs, etc., has been continued by our officials. Premises have been inspected and, when found inadequate, recommendations have gone forward for the necessary repairs.

Due to the increased volume of services, the department was confronted with the problem of inadequate space, and provision was made for the department to take over several offices formerly occupied by the Department of Lands and Forests. This additional space has made possible the reorganization of internal administration of the ever-growing services to those unfortunate individuals who find themselves in the position where they are forced to seek the assistance of this department.

G. S. TATTLE,

Acting Deputy Minister.

APPENDICES

Part 1

APPENDIX A

OLD AGE PENSIONS COMMISSION ANNUAL REPORT

April 1st, 1938 — March 31st, 1939

Over sixty thousand of our fellow citizens in the Province of Ontario have been receiving Old Age Pensions and Pensions for the Blind during the fiscal year under review.

Expectancy of life having been increased, it is found that an increasing proportion of the total population reaching the age of seventy years are availing themselves of Old Age Pensions. It is considered that the peak for Pensions for the Blind should be approximately at its level at the present time.

The Dominion Government assumes 75 per cent. of the amount granted to pensioners, while the Province of Ontario assumes the balance, in addition to the total cost of the administration of the Old Age Pensions Act, as well as the Act providing for Pensions for the Blind. The Province, with one exception, assumes the total cost of administration of Pensions for the Blind. This exception provides that the Blind Pensioner must pass a medical examination by an Eye Specialist, who is appointed by the Federal Government. These appointees are distributed throughout the Province at convenient points reasonably accessible to the applicants.

The re-organization of the Staff has proven its virtue in segregating a fine group of public spirited citizens, who have now become better acquainted with each other, as well as with the requirements of the Acts coming under this jurisdiction.

The Local Boards are proving their justification by an increasing interest both in pensioner and taxpayer.

The Municipal Clerks are giving their usual intelligent and courteous assistance to all applicants. The Clerks' personal reports are found most reliable and very helpful.

At this point it should be mentioned that any delay in receipt of pensions is caused by the pensioner not being able to give adequate and acceptable proof of age, as well as other documentary evidence required by the Act. The Clerk often accepts the application, as well as the responsibility of securing proof of age, which in many cases requires much time, and in not a few cases he meets with disappointment. Local Boards usually meet once a month, thereby necessitating further delay. It is thus evident that much delay which is not appreciated by the applicant could be avoided if the proofs required by the Act were presented at the time of application. Many pensioners are now availing themselves of the provision allowing application to be made immediately after they are sixty-nine years and nine months old, thus avoiding unnecessary delay. Immediately after the Provincial Commission is in receipt of the recommendation of the Local Board, the Provincial Investigator is advised. Through stormy weather and impassable roads, duty calls the Investigator to the most remote parts of the Province. It is a legal obligation to see the pensioner personally, in order to secure authentic information. This service, in operation every working day of the year, is carried out by fifty-seven workers.

As we are operating under the Federal Old Age Pensions Act, which has now been adopted by all Provinces in the Dominion, we have reason to come in very close contact with the authorities in these various jurisdictions. We are pleased to report that interprovincial relations have been most friendly, while the relations with the Federal authorities have been maintained on a high standard, resulting in mutual understanding at all times.

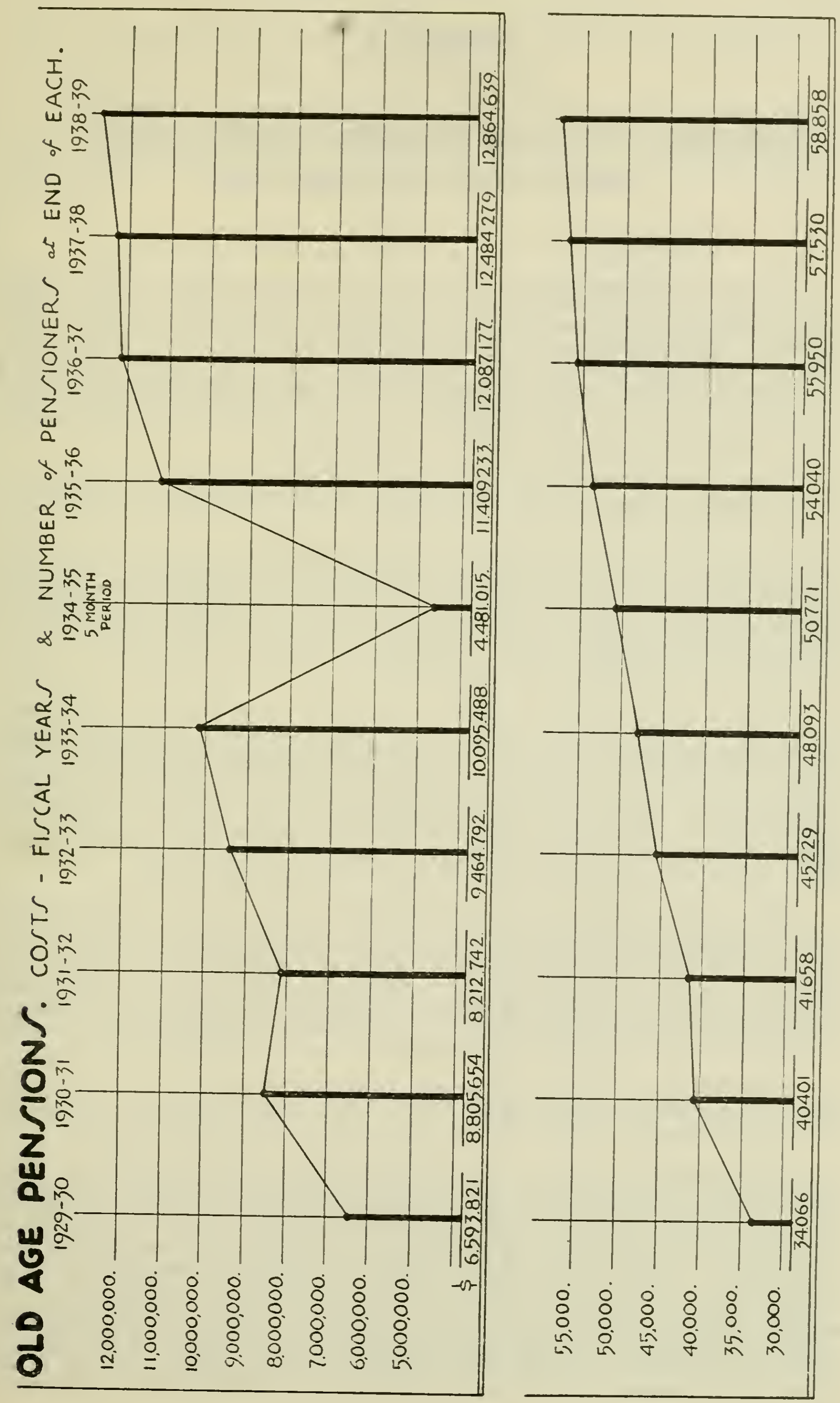
The Estates Department reviews every case before final disposition is made, with the result that an increasing amount is reverting to the Provincial Treasury without causing any hardship.

In the administration of the Old Age Pensions Act, which includes provision for pensions for the blind, the Commission deals with each and every case upon its merits. There are dark and bright sides presented, but decisions are made having in mind only the applicant and the requirements of the Act.

J. A. FAULKNER,
Chairman.

G. S. TATTLE,
Vice-Chairman.

C. H. GREEN,
Commissioner.



OLD AGE PENSIONS. COSTS - FISCAL YEARS & NUMBER of PENSIONERS at END of EACH.

APPENDIX B

MOTHERS' ALLOWANCE COMMISSION ANNUAL REPORT

April 1st, 1938 — March 31st, 1939

The Mothers' Allowances Act, exclusively a provincial measure, provides needed assistance to worthy widowed mothers with one or more children under sixteen years of age, the wives of permanently unemployable husbands and, as well, to Foster-Mothers who are willing, not only to provide a home but also to give parental care and maintain intact those children who, otherwise, would be separated during a most important period in the lives of all children. In each case, the worthiness of the recipient is given careful consideration. To fulfil this noble purpose, and with such a vast territory to cover, necessitating a large expenditure of public money, the most careful administration of this Act is required.

The value of keeping families intact cannot be overestimated. The humanitarian and economic value is always being kept in mind, necessitating amendments to the Act as well as revisions of the Regulations.

To cope with increasing expenditure, decisive efforts are made to reduce costs where possible, but not at the expense of those receiving the allowance. The policy of amalgamating those investigating Old Age Pensions and Mothers' Allowances has been continued. The experience of the past has been a good teacher and shows its results in a higher quality of work done by our Investigating Staff, which now is represented by 57 capable workers. This staff represents an expenditure, annually, in salaries and transportation, of over $100,000.

While the Provincial Government has assumed the total financial responsibility for payment of Mothers' Allowances, it must not be forgotten that the Municipal Clerks are giving their usual courteous and helpful assistance to applicants. While there has been, in some few cases, unavoidable delay in forwarding the applications to the Local Boards, investigation into the cause of delay has been very satisfactorily explained. The Local Boards throughout the Province since the general reorganization, are showing very evident increasing interest and, as time goes on, will no doubt provide the indispensable assistance and co-operation in the administration of the Act, which means so much to so many deserving people.

While deeply grateful to both the Municipal Clerks and the Local Boards, it must be admitted that the great responsibility imposed upon our Investigators, as a fact-finding body, is most essential to the proper administration of the Act. As a result of this intensive work carried on throughout the whole year, it has been possible to secure more regularly the yearly financial status of each family, thus enabling the Commission to regulate more thoroughly the amount of the allowance that should be paid, and also to decide as to whether or not the families can carry on without further assistance and thus keep the cost at a minimum.

It is further noted that in the present fiscal year under review, we dealt with 4,207 new applications and renewals. Of the total received, 2,385 were granted the allowance but the net increase at the end of the year was only 314.

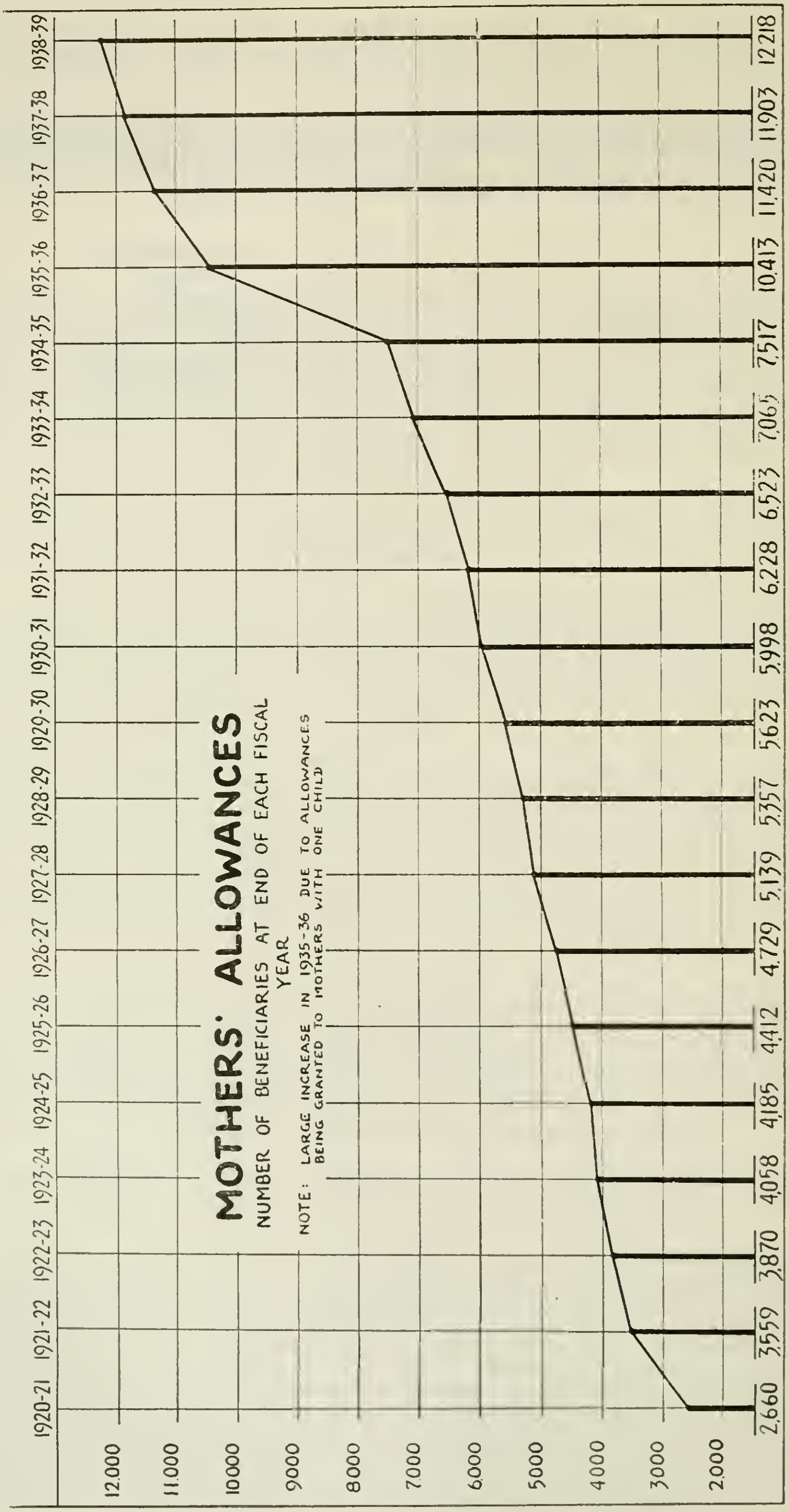
At the inception of the Act, it was thought that the number of cases that would automatically be taken off each year when the youngest and qualifying child would reach its sixteenth birthday, would be equal to the number of new cases taken on. The fact is, however, that only 992 of the total cancellations were the result of the youngest child becoming sixteen years of age. The balance of cancellations were on account of various reasons, such as families becoming self-supporting, husbands of beneficiaries under the Incapacitation Clause recovering to a point where, in the opinion of the Commission, they should be capable of remunerative occupation. A number of widows remarry, while under the Desertion Clause several allowances were cancelled because the deserting husbands had been located. Of the total cancellations, only 165 were because of unsatisfactory home conditions. Many of this group were reinstated when it was found that home conditions had improved, so that, of the total number cancelled and suspended, 992 could be classified as automatic and 1,027 were directly due to careful supervision and the efficient work of our Investigators co-operating with the Commission.

The Mothers' Allowances Commission as a whole is striving to administer the Act in order that need, and not greed, is adequately met; that a spirit of independence, coupled with incentive, is developed so that we may be of some assistance in re-establishing and maintaining good homes and good citizens in the Province of Ontario.

J. A. FAULKNER,
Chairman.

H. BENTLEY,
Vice-Chairman.

E. V. McKECHNIE,
Commissioner.


MOTHERS' ALLOWANCES
NUMBER OF BENEFICIARIES AT END OF EACH FISCAL YEAR
NOTE: LARGE INCREASE IN 1935-36 DUE TO ALLOWANCES BEING GRANTED TO MOTHERS WITH ONE CHILD
12,000
11,000
10000
9000
8000
7,000
6,000
5000
4000
3000
2,000
1920-21
1921-22
1922-23
1923-24
1924-25
1925-26
1926-27
1927-28
1928-29
1929-30
1930-31
1931-32
1932-33
1933-34
1934-35
1935-36
1936-37
1937-38
1938-39
2,660
3,559
3,870
4,058
4,185
4,412
4,729
5,139
5,357
5,623
5,998
6,228
6,523
7,065
7,517
10,413
11,420
11,903
12,218

APPENDIX C

Annual Report of

THE MEDICAL OFFICER

April 1, 1938 to March 31, 1939

The duties of the departmental Medical Officer are mainly advisory, and are primarily concerned with the disability cases under the Mothers' Allowances Act, and also with infirm indigents in the unorganized areas, who require institutional care, and all matters of a medical nature coming within the jurisdiction of the Department of Public Welfare.

As before, but to an ever increasing extent, the work of the Medical Officer is concerned with Mothers' Allowances cases, coming under the disability clause of the Act. The practice has been for the Medical Officer, when time permitted, to hold clinics in local centres, where the disabled husbands of applicants and beneficiaries could be examined. However, because of the volume of work, this has been impossible during the major part of the past year. This has necessitated more complete medical reports from physicians and clinics. It has not always been appreciated by those concerned that, since the Commission's rulings must be made upon documentary evidence, a clear cut description of the man's disabling condition or conditions must be submitted. This has required a great deal of correspondence with physicians who, thereby, have had to devote extra time and trouble to the furnishing of additional reports. In many of the cases the diagnosis is obscure and careful examination in a large hospital, where special diagnostic and therapeutic equipment are available, is necessary.

The fact that the Chairman of the Mothers' Allowances Commission is himself a physician has been of very great assistance to the Medical Officer in carrying out his duties, and frequent consultations are held with him on doubtful cases.

Without the co-operation of all concerned, it would be impossible to carry out the provisions of the Act. Thanks are due to the medical profession, hospital authorities, municipal authorities, the Department of Health of the Ontario Government, and all the voluntary organizations concerned with matters of public welfare.

G. G. CLEGG, M.B.,
Medical Officer.

APPENDIX D

ANNUAL REPORT OF SUPERVISOR OF INVESTIGATORS

For

OLD AGE PENSIONS AND MOTHERS' ALLOWANCES

1938 - 1939

During the year 1938-39, the policy which was introduced in 1937 has changed but slightly in methods of investigation for Old Age Pensions and Mothers' Allowance applicants.

The Province is divided into 33 districts with 56 investigators, four of whom are known as special investigators. These four special investigators give assistance in investigation, in districts where the case load is heavy, and also assist the investigators with the many details of the work and any problems that may be encountered.

The investigation takes place upon receipt of the application from the Local Board. This first visit often involves several calls to different sources before the Record is complete, as all information must be accurate and verified in every phase.

One problem with which the investigator frequently contends is the applicant's reaction to the apparent delay from the time the application was taken to the time of visit. Proving age perhaps creates the greatest difficulty, as many applicants are without proper proof of date of birth. This is the responsibility of the local authorities and is often the cause of delay before the application reaches the Old Age Pensions Commission. Due to advanced age and failing memory, the applicant is frequently unable to give the information required, and this often necessitates loss of time by verifying information through official sources. Although road conditions for the average traveller are excellent in Ontario for the greater part of the year, the investigator is called upon to travel on the byways, narrow lanes and woodlands of Ontario and through the winter months these are often inaccessible.

During the year, new forms for First Investigation and Yearly Reports were introduced which have proven to be of great value. Since March, 1937, investigators are endeavoring to visit pensioners once each year, thus establishing continued eligibility.

A further change during the year has been the adoption of a certified statement of the earnings of each son or daughter who might be in a financial position to contribute ot their parents' support within the meaning of the Parents Maintenance Act. Also, a Farm Report has been adopted, giving in detail particulars of the operation of the farm which aids in arriving at the net revenue derived therefrom.

In Mothers' Allowance work, there has been no change during the past year. Investigators call at the home as often as the family's need for assistance and supervision requires. Many investigators have given valuable assistance to these families through the social resources in the community.

In dealing with applications for Pensions for the Blind, the investigation is carried through as for Old Age Pension applicants.

An investigator requires an abundance of tact and patience, an alertness to changing situations, an understanding of human values and, above all, a loyalty of service to both applicant and administration.

MARY M. POWELL,
Supervisor.

APPENDIX E

Report of

THE CHILDREN'S AID BRANCH

April 1st, 1938 — March 31st, 1939

After several years of effective work of a preventive nature it is now possible to measure some of the results of this effort on the part of the several Children's Aid Societies.

One of the most obvious results is indicated in the fact that out of 6057 complaints of neglect involving 18,308 children which were reported to the Societies only 986 children had to be committed as wards. The social value of maintaining family life for the remainder of the children is immeasurable. Where children were formerly taken into care as wards resulting in the complete break up of families, these families now continue to take their place in the community with the cause of neglect removed.

This process, however, has meant that the type of child the Societies have been forced to take into care as wards have more and more become those who have to be maintained in some type of pay care. Either through physical or mental handicaps or because of age or improper training they are not easily placeable in free or adoption homes.

For such children as are suitable for adoption no difficulties arise. During the year 986 adoptions were completed. This represents the highest number in any one year since the passing of the Act in 1921. Notwithstanding this, practically all Societies report waiting lists of people who are anxious to adopt children. All adoptive homes are carefully chosen and every effort is made to assure that the child placed in the home "fits" his new environment. One of the safeguards in this respect is the two year period of probation necessary before the adoption may be completed.

Notwithstanding every effort put forth by the Societies to hold families together and place suitable children in adoption homes, they nevertheless find it necessary at the end of the year to provide care for 10,742 children. Of this number 5953 are being cared for in free or wage homes at no charge to municipalities. For the children who are in care increased supervisory visits are reported. Periodic health examinations and regular checking of school attendance tends, together with these increased visits, to assure that all children in care enjoy a proper home life.

A slight falling off in the number of new unmarried parents cases is noted. The efforts to collect support for the children born out of wedlock has resulted in an increase from $88,340.00 for the year ending March 31st, 1938, to $91,825.76 for the year ending March 31st, 1939.

Each of the fifty-three Children's Aid Societies is a locally autonomous private organization, under the supervision of the Provincial Department. Finances of these Societies are chiefly drawn from local private and municipal sources, supplemented by certain Provincial contributions. Total expenditures for Children's Aid work from all sources, private, municipal and Provincial Government were $1,347,470.42 for the year.

With an increased unity of purpose all of the Societies are gradually working toward a comparable system of procedure so that there may be Province-wide uniformity of practice.

B. W. HEISE,

Provincial Superintendent.

DIRECTORY

CHILDREN'S AID OFFICIALS, ONTARIO

Algoma	J. H. Dawson		Sault Ste. Marie.
Brant	J. P. Temple		Brantford
Bruce	D. W. Cameron		Walkerton
Cochrane	A. G. Carson		Timmins
Dufferin	Dr. W. J. Price		Orangeville
Elgin	O. L. Austin		St. Thomas
Fort William	Frank Blain		Fort William
Frontenac	Stewart Sutton	161 Brock St.,	Kingston
Grey	A. E. Trout		Owen Sound
Haldimand	C. R. Bilger		Dunnville
Halton and Peel	G. F. Thompson		Milton
Hamilton	B. Beaumont	47 King St.,	Hamilton
Hastings	T. D. Ruston		Belleville
Huron	H. T. Edwards		Goderich
Kenora	Miss Florence Humble		Kenora
Kent	F. Appleyard		Chatham
Lambton	James Crockard		Sarnia
Lanark	Miss Jessie MacPherson		Perth
Leeds and Grenville	C. A. Winters		Brockville
Lennox and Addington	W. F. Barrett		Napanee
Lincoln	H. Fonger		St. Catharines
London and Middlesex	F. Cristall	City Hall,	London
Manitoulin	O. D. Cadotte		Silver Water
Muskoka	W. D. Forrest		Huntsville
Niagara Falls	Ernest Majury		Niagara Falls
Nipissing	John Brown		North Bay
Norfolk	Thomas Phillips		Simcoe
Northumberland & Durham	K. J. Hodgert		Port Hope
Ontario	O. M. Alger		Oshawa
Ottawa and Carleton	Mrs. Jean Henshaw		Ottawa
Oxford	Richard G. Clowes		Woodstock
Parry Sound	John Hartill		Burks Falls
Perth	Hugh Ferguson		Stratford
Peterborough	Miss Rachael Young		Peterborough
Port Arthur	A. Collier (Miss) Acting		Port Arthur
Prescott and Russell	Jos. Lacasse		Wendover
Prince Edward	R. W. Hubbs		Picton
Rainy River	Mrs. Florence Tibbetts		Fort Frances
Renfrew	J. C. Simpson		Renfrew
Simcoe	G. R. Foster		Barrie
Stormont, Dund. & Gleng'y	H. C. Nugent		Cornwall
Sudbury	J. S. Davidson		Sudbury
Temiskaming	J. R. McCracken		Haileybury
Toronto	R. E. Mills	32 Isabella St.,	Toronto
Victoria and Haliburton	Allan Blewett		Lindsay
Waterloo	Arthur Pullam	County Bldg.,	Kitchener
Welland	Mrs. D. E. Young	Box 222,	Welland
Wellington	Miss Ruby Barrett, Acting		Guelph
Windsor and Essex (Prot)	Fred Mills		Windsor
Windsor and Essex (R.C.)	R. J. Bondy		Windsor
Wentworth	C. M. Flatt	Court House,	Hamilton
York	Mrs. J. S. Driscoll, 73 St. Clair Avenue East		Toronto
R.C. Children's Aid Society of St. Vincent de Paul	Miss K. McGuire, Acting	469 Sherbourne,	Toronto

Provincial Superintendent—B. W. Heise, Box 246B, Parliament Buildings, Toronto
AD. 1211

APPENDIX F

UNEMPLOYMENT RELIEF

April 1st, 1938 — March 31st, 1939

For the fiscal period April 1st, 1938, to March 31st, 1939, the gross cost of Direct Relief in Ontario to which the Province contributed was $22,374,553. This was an increase over the previous fiscal year of $1,318,112. The relative costs as shared by the three contributing authorities were as follows:

	March 31, 1938		March 31, 1939	
Gross	$21,056,441		$22,374,553	
Provincial	9,712,114	46.12%	10,212,766	45.64%
Federal	6,030,000	28.64%	5,580,000	24.94%
Municipal	5,314,327	25.24%	6,581,787	29.42%

(See Table "A")

Of the 902 organized municipalities in the Province, 750 applied for assistance under the Unemployment Relief Act.

Federal Contributions toward Direct Relief costs were on the basis of $465,000 a month, commencing with the month of April and continuing through to March.

During the year a number of municipalities sought and received the assistance of the Department in connection with various phases of relief. This co-operation has resulted in improved methods of administration and the lowering of relief costs in these municipalities.

At the commencement of this fiscal period, the Department of Labour took over complete charge of the administration of the Home Service Training Schools. Accordingly, facts concerning this program which appeared in this part of the report for the Department of Welfare for the last fiscal year will now be found in the annual report of the Department of Labour.

To those who have assisted in the work of the Department during the period under review, grateful appreciation is extended.

E. A. HORTON,

Acting Director, Unemployment Relief Branch.

TABLE "A"

TOTAL DIRECT RELIEF COSTS

For The Fiscal Year 1938-39

Month	Total	Prov. Share	Dom. Share	Mun. Share
April, 1938	$2,021,030.26	$1,007,984.62	$465,000.00	$548,045.64
May	1,678,576.66	763,706.35	465,000.00	449,870.31
June	1,532,100.67	638,897.84	465,000.00	428,202.83
July	1,388,095.61	543,187.80	465,000.00	379,907.81
August	1,388,895.14	546,399.80	465,000.00	377,495.34
September	1,446,200.46	601,688.79	465,000.00	379,511.67
October	1,527,027.50	661,410.14	465,000.00	400,617.36
November	1,840,714.51	890,193.70	465,000.00	485,520.81
December	2,229,153.98	1,154,213.55	465,000.00	609,940.43
January, 1939	2,340,572.06	1,071,716.65	465,000.00	803,855.41
February	2,422,668.34	1,123,468.50	465,000.00	834,199.84
March	2,559,518.11	1,209,898.61	465,000.00	884,619.50
TOTAL	$22,374,553.30	$10,212,766.35	$5,580,000.00	$6,581,786.95
		45.64%	24.94%	29.42%

TOTAL NUMBERS ASSISTED

For The Fiscal Year 1938-39

Month	Heads	Dependents	Individuals	Total
April, 1938	57,312	183,128	12,087	252,527
May	52,696	168,769	11,706	233,171
June	46,665	146,453	11,757	204,875
July	44,313	138,415	11,387	194,115
August	43,222	134,725	11,297	189,244
September	42,472	130,677	11,198	184,347
October	45,482	142,759	12,508	200,749
November	51,094	162,692	14,566	228,352
December	58,273	187,255	15,838	261,366
January, 1939	66,362	215,193	17,034	298,589
February	69,328	224,632	17,704	311,664
March	69,663	225,788	17,908	313,359
TOTAL	646,882	2,060,486	164,990	2,872,358

APPENDIX G

Report of

THE SOLDIERS' AID COMMISSION OF ONTARIO

April 1st, 1938 to March 31st, 1939

Commission Membership

Members are as follows: Lt.-Col. E. A. Baker, O.B.E., M.C., Chairman, TORONTO; Major-Gen. V. A. S. Williams, C.M.G., TORONTO; Colonel T. J. Rutherford, E.D. OWEN SOUND; Colonel J. A. Dewart, M.C., PETERBOROUGH; Major F. R. Palmer, ST. THOMAS; Charles J. Brown, Esq., TORONTO; Dr. Walter F. Charteris, CHATHAM; T. Summers Wilson, Esq., SUDBURY.

No changes occurred in the Membership of the Commission during the fiscal year, April 1st, 1938, to March 31st, 1939, now under review.

Commission Meetings

The several meetings of the Commission have been well attended and all Members have shown a keen interest.

Commission Staff

No staff changes have occurred during the period. Prompt and efficient service has been rendered by all members.

Audit

Following the end of the fiscal year, an Audit of the Books and Accounts was requested by the Commission, and performed by a representative of the Provincial Auditor's Department. All Books and Accounts were reported to be in order and to correctly reflect the operations and transactions of the Commission throughout the year. Financial Statements will be found appended hereto.

Wards

Services to Wards in general is covered by a Special Statistical Report appended hereto. It will be noted that during the year the number of wards requiring attention from the Commission has been decreased from 65 to 49. This reduction was due to the marriage of three and the coming of age of 13.

Wards Welfare Investigations and Placements also showed a further decrease this year to 165 compared to 266 for previous year. Again this is due to decreasing number of wards and permanent establishment.

Assistance and Advice to Veterans

1. Emergency grants for the year number 1,975 as compared with 1,734 for previous year.
2. General information and advice services rendered to ex-service men and dependents totalled 1,624 compared with 1,353 for previous year.
3. Office Interviews for this period were 6,184 as compared with 5,514 for previous year.
4. Special information and advice re pension claims procedure number 314 as compared to 237.

Kathleen Hammond Estate

The assistance from this fund to widows on pension under the Pension Act served 119 cases of emergency or special need during the past year as compared with 97 in the previous year.

The corpus of this fund was subject to a further substantial increase during the year.

During the year the Commission gave consideration to a definition of the scope of application of this fund in order to place the application of benefits available on a definite basis to facilitate administration.

The Commission also plan during the new year to establish annual expenditures on an actuarial basis to ensure a reasonable life maximum benefits during the period when such will be most valuable to veterans' widows stipulated as beneficiaries.

Croft Estate

The Commission still further reduced outstanding taxes applicable to Property held under the name of this Estate, but found no opportunity to sell at a reasonable price the one remaining lot.

Garden Land Settlement

In the Settlement, the muck soil proved highly productive. The difficulties were experienced due to the wet season and lack of proper drainage facilities, due to Highway Ditches being obstructed. Plans were made towards the end of the year for co-operation of the Highways Department, which, it is hoped, will help clear the drainage difficulty for the ensuing growing season.

However, the quality of the vegetables grown was excellent, as was that of some small fruits.

The health of the Settlers has been generally good. One additional cottage was built and occupied, making 9 families in all.

During the year an Artesian Well was drilled at a point about the centre of the settlement frontage. Much difficulty was experienced in penetrating layers of gravel and boulders to reach a clear and satisfactory water supply. This was finally accomplished and the well cased to a depth of 275 feet, towards the end of the year. The well will yield a supply of water in excess of 2,000 gallons an hour, as required, and of excellent quality, testing A.1. Distribution System will be given consideration during the coming year, but in the meantime a pure water supply is available to all the settlers.

Some changes have occurred in the group of settlers through retirement from the Settlement to take up other opportunities or occupations. Vacancies thus created have been filled. In this respect, it is felt that the Settlement has served a very useful purpose in re-creating ambition and interest in the minds of some, who have been depressed by unemployment conditions. The Commission has continued its policy of insistence on harmonious and cooperative relations between the Settlers, and is of the opinion that such has been reasonably maintained.

No supervision has been provided this year, apart from visits by Commissioner Rutherford, the Director, and on occasions staff members. This was done to ascertain whether the settlers were capable of developing their Allotments independently.

At the end of the season, however, it was decided that a member of the staff should spend some time each week in the settlement during the planting, growing and harvesting season to ensure that established settlers did not neglect any portion of their allotment and newcomers be assisted, where necessary, in becoming established. Assistance is also to be given with marketing advice and help in making arrangements.

With increased clearings and gradually improving soil conditions, the prospects for the ensuing year appear brighter.

General

In reporting on the year under review, we must again gratefully acknowledge the co-operation of the Honourable the Ministers, Department of Welfare and the Department of Agriculture, and the Representative of the Marketing Board.

In conclusion we desire to express to the Honourable the Minister of the Department of Welfare, grateful acknowledgement for the interest he has shown in the general activities of the Commission and for his helpful co-operation.

The Commission also desires again to gratefully acknowledge the co-operation of Veteran Organizations; The Canadian Red Cross Society; I.O.D.E.; Soldiers' Comforts; The Last Post Fund and all other organizations and individuals who have in numerous ways been helpful during the year.

Respectfully submitted,

E. A. BAKER, Chairman.

APPENDIX H

Report on

REFUGES AND HOMES FOR THE AGED AND INFIRM

There are 31 County, 38 City, and 3 District Refuges. The cost of maintenance for the year 1938, was for County Homes—$562,426.71, for City Homes—$1,056,637.51, for District Homes—$51,231.61, or a total of $1,670,295.83. The average cost for a resident in the County Homes was .66c, in the City Homes, $1.04, and in the District Homes, .83c per diem.

The number of residents in County Homes on an average for the year was 72, City Homes 86, District Homes 58. The total number of residents in all County Homes was 2,866, in all City Homes, 5,968, and in all District Homes, 227, or a total of 9,061 persons.

There was a very slight variation in these figures over last year, although the total cost for maintenance of all Homes increased by about $80,000.00. A number of the Homes spent extra money for very necessary repairs, additions to main buildings, farm buildings, fire annunciator systems, etc.

It is the tendency of most Institutions and Organizations to become set and rigid in their mode of operation. This type of Institution, of course, is founded on the idea of benefit for the aged and infirm, but sometimes there is a leaning toward infringement of certain liberties. With this thought in mind, all Homes undergo constant criticism, perpetual readjustment and recurrent reviewing in order that the Management may remain alive to their responsibilities.

Most of the Homes are well managed and excellent discipline is maintained. This is brought about by constant cooperation between the Superintendents, Matrons, Boards, and the Provincial Department of Public Welfare.

Thanks and appreciation are extended to all concerned for the excellent results shown during the past year.

S. L. CHARLTON,
Inspector of Refuges.

APPENDIX I

CHILDREN'S INSTITUTIONS

Institutional care of children is provided in the Province by forty-two organizations. Each of these operates under the provisions of the Charitable Institutions Act. Under this Act an approved institution receives a government grant of 5c or 10c a day per inmate, depending on age. For the year under consideration, a total of $62,841.05 was paid by the province in such grants.

The properties of a number of the institutions are old. Most of them are constructed on the congregate plan. More clearly defined programmes and consideration of the type of building best suited to the programme in operation would do much to improve the care for children in institutions.

Several organizations have recognized this necessity with the result that they have made arrangements to care for their children in private boarding homes.

Since most of the institutions accept the care of children by agreement with the parents, every care must be used in placing these children in adoption homes. In some instances, children have been placed whose parents were not prepared to sign the consents necessary.

As of December, 1938, there were 3,042 children in the care of these institutions. There were 1,054,419 days' care provided at a total cost of $822,025.63. The per diem costs range from 24c to $3.97 or an average of approximately 98c per day. Receipts from all sources were $781,373.76. Of this amount, $524,283.28 was received from paying residents, donations and receipts from endowments.

Reports of inspectors indicate a wide variation in types of programmes in the different institutions. Most programmes offer reasonable safeguards to the physical care of the children.

B. W. HEISE,

Provincial Superintendent,

Children's Aid Societies.

FINANCIAL REPORTS

Part II.

Department of Public Welfare

FINANCIAL REPORTS

Year Ended March 31st, 1939

DISBURSEMENTS

MAIN OFFICE

	Ordinary Expenditure	Capital Payments
Minister's Salary	$ 8,000.00	
Permanent Salaries	15,895.16	
Temporary Salaries	183.03	
Travelling Expenses	1,314.67	
Purchase of Equipment	276.41	
Stationery and Printing	2,256.94	
Telegraph and Telephone	505.80	
Miscellaneous	140.99	
Maintenance of Indigents	8,218.70	
Burial of Indigents	2,619.31	
Transportation of Indigents	97.25	
Grants:		
Refuges	86,281.60	
Orphanages	62,841.05	
Ontario Society for Crippled Children	6,000.00	
Soldiers' Aid Commission	21,820.00	
Society for Crippled Civilians	100.00	
Memorial Wreaths	2,300.00	
	$ 218,850.91	

CHILDREN'S AID

	Ordinary Expenditure	Capital Payments
Permanent Salaries	$ 33,194.30	
Temporary Salaries	1,680.24	
Travelling Expenses	4,144.86	
Purchase of Equipment	253.25	
Stationery and Printing	1,927.72	
Telegraph and Telephone	57.70	
Miscellaneous	274.19	
C.U.P.A. Travelling Expenses	9,932.58	
C.U.P.A. Maintenance	51,156.58	
C.U.P.A. Legal	3,812.71	
C.U.P.A. Miscellaneous	259.40	
Grant:		
Salaries of Local Superintendents	52,300.00	
	$ 158,993.53	

MOTHERS' ALLOWANCES

	Ordinary Expenditure	Capital Payments
Permanent Salaries	$ 63,023.98	
Temporary Salaries	4,379.43	
Travelling Expenses	18,310.97	
Purchase of Equipment	192.08	
Stationery and Printing	7,026.02	
Telephone and Telegraph	132.34	
Local Board Expenses	2,081.16	
Miscellaneous	1,772.06	
Allowances	5,000,040.68	
	$ 5,096,958.72	

	Ordinary Expenditure	Capital Payments
OLD AGE PENSIONS		
Permanent Salaries	$ 87,150.21	
Temporary Salaries	5,544.79	
Travelling Expenses	18,648.55	
Purchase of Equipment	4,837.42	
Stationery and Printing	12,117.57	
Telephone and Telegraph	39.69	
Registration Fees	1,474.28	
Miscellaneous	1,247.07	
Pensions:		
Old Age Pensions	3,166,625.40	9,698,013.16
Blind Pensions	66,251.81	200,173.72
	$ 3,363,936.79	9,898,186.88
UNEMPLOYMENT RELIEF		
Direct Relief	9,919,403.60	
Relief Administration	212,072.33	
Relief Works	27,026.94	
Farm Placement Scheme	12,285.46	
Transients re City of Toronto	4,640.53	
Housing Scheme	53.70	
	$10,175,482.56	
SPECIAL WARRANT		
Canadian Red Cross Society — Rainy River District Fire Relief		25,000.00
TOTAL EXPENDITURE	$19,014,222.51	9,923,186.88

RECEIPTS

		Ordinary Revenue	Capital Receipts
CHILDREN'S AID			
Sundry		26.55	
MOTHERS' ALLOWANCES			
Municipal Contribution			41,104.50
OLD AGE AND BLIND PENSIONS			
Dominion, Other Provinces and Municipal			
Dominion—Old Age	$ 9,615,751.34		
Dominion—Blind	199,162.73		
Other Provinces—Old Age	73,063.94		
Other Provinces—Blind	838.49		
Municipalities	14,613.28		
			9,903,429.78
TOTAL		$ 26.55	9,944,534.28

OLD AGE AND BLIND PENSIONS

Details of Disbursements and Receipts
Fiscal Year 1938 - 1939

DISBURSEMENTS

TOTAL CHEQUES ISSUED		
Old Age Pensions	$ 13,153,297.02	
Blind Pensions	268,517.40	13,421,814.42
CANCELLED CHEQUES		
Old Age Pensions	134,863.20	
Blind Pensions	1,750.14	136,613.34
		13,285,201.08
CASH REFUNDS		
Old Age Pensions	153,705.26	
Blind Pensions	341.73	154,136.99
Net Payments		13,131,064.09

RECEIPTS

	Old Age Pensions		Blind Pensions	
	1937-38	1938-39	1937-38	1938-39
Dominion		9,615,751.34		199,162.73
OTHER PROVINCES				
Alberta	1,751.85	6,192.07	....	38.43
British Columbia	937.63	3,222.95	....	6.00
Manitoba	2,843.71	9,849.15	25.31	131.12
New Brunswick	456.44	1,283.79	6.35	24.66
Nova Scotia	642.92	2,081.41	....	33.75
Prince Edward Island	9.94	29.82	....	....
Quebec	5,540.13	17,049.27	42.43	284.46
Saskatchewan	5,273.59	15,899.27	27.84	218.14
MUNICIPALITIES				
York Twp. re 1936-37		14,613.28		
	17,456.21	9,685,972.35	101.93	199,899.29

TOTAL RECEIPTS $9,903,429.78

OLD AGE PENSIONS AND BLIND PENSIONS

Fiscal Year 1938-39

COUNTIES	Old Age Pensions	Blind Pensions	Total
Brant	$ 87,988.29	1,476.03	
Bruce	145,871.52	3,449.00	
Carleton	150,496.58	3,496.16	
Dufferin	59,659.06	1,485.72	
Dundas	64,218.78	1,098.35	
Elgin	136,033.61	3,293.43	
Essex	197,702.12	3,583.80	
Frontenac	107,070.47	914.67	
Glengarry	95,809.59	2,096.94	
Grey	168,616.22	3,078.41	
Haldimand	73,613.74	1,949.48	
Halton	95,347.11	1,457.59	
Hastings	217,066.60	6,305.58	
Huron	185,591.81	3,220.82	
Kent	160,046.10	3,311.85	
Lambton	133,262.07	3,752.22	
Lanark	116,201.52	2,976.54	
Leeds and Grenville	184,655.66	2,968.95	
Lennox and Addington	105,793.30	1,876.15	
Lincoln	116,077.66	2,714.81	
Middlesex	181,889.66	3,197.80	
Norfolk	127,019.47	2,873.89	
Northumberland and Durham	261,993.41	4,614.57	
Ontario	159,952.06	2,263.55	
Oxford	98,124.43	840.00	
Peel	99,768.40	1,249.42	
Perth	86,656.49	1,470.16	
Peterborough	94,596.08	1,327.53	
Prescott and Russell	121,428.51	5,808.59	
Prince Edward	95,761.11	905.38	
Renfrew	213,208.54	7,707.01	
Russell	66,879.72	720.00	
Simcoe	388,075.00	7,992.51	
Stormont	127,114.42	5,877.84	
Victoria	110,145.37	3,849.19	
Waterloo	128,896.09	1,860.64	
Welland	147,217.25	1,554.14	
Wellington	122,150.27	2,700.46	
Wentworth	122,714.94	1,845.40	
York	625,814.61	10,159.84	
	5,980,527.64	123,324.42	
Less Inter-Provincial Receivable	73,014.95	1,597.89	
	5,907,512.69	121,726.53	6,029,239.22

TOWNS	Old Age Pensions	Blind Pensions	Total
Brockville	$ 49,650.36		
Gananoque	20,584.52	1,390.27	
Ingersoll	22,443.82	240.00	
Prescott	11,403.19	240.00	
St. Mary's	17,042.07	240.00	
Smith's Falls	26,180.20	1,215.12	
Timmins	20,808.97	360.00	
Trenton	36,445.21	582.58	
	204,558.34	4,267.97	
Less Inter-Provincial Receivable	3,453.10		
	201,105.24	4,267.97	205,373.21

CITIES	Old Age Pensions	Blind Pensions	
Belleville	$ 53,543.23	2,458.34	
Brantford	161,469.56	4,567.57	
Chatham	67,663.46	780.00	
Fort William	43,212.38	1,740.65	
Galt	67,533.98	840.00	
Guelph	78,461.63	1,955.05	
Hamilton	547,459.37	16,368.73	
Kingston	97,885.70	2,180.00	
Kitchener	84,550.10	1,176.13	
London	304,401.85	6,478.44	
Niagara Falls	49,496.41	1,691.61	
North Bay	44,078.80	547.09	
Oshawa	67,036.72	682.58	
Ottawa	480,736.64	11,393.26	
Owen Sound	66,613.84	1,221.29	
Peterborough	90,887.75	1,874.01	
Port Arthur	45,420.25	906.19	
St. Catharines	82,140.53	1,741.95	
St. Thomas	62,964.78	1,097.74	
Sarnia	57,555.91	100.00	
Sault Ste. Marie	65,606.27	1,436.13	
Stratford	77,069.02	1,335.74	
Sudbury	37,509.18	600.00	
Toronto	2,441,431.70	49,280.81	
Welland	18,016.01	220.00	
Windsor	282,368.27	3,449.19	
Woodstock	43,980.99	1,298.06	
	5,519,094.33	117,420.56	
Less Inter-Provincial Receivable	101,404.10	1,375.64	
	5,417,690.23	116,044.92	5,533,735.15

	Old Age Pensions	Blind Pensions	Total
DISTRICTS			
Algoma	$ 122,598.71	2,358.98	
Cochrane	78,747.70	1,868.78	
Haliburton	36,990.02	583.87	
Kenora	56,780.28	780.00	
Manitoulin	33,583.39	901.16	
Muskoka	96,776.02	1,199.38	
Nipissing	124,006.16	2,811.61	
Parry Sound	125,863.49	3,491.74	
Rainy River	69,426.85	938.06	
Sudbury	110,339.13	2,366.07	
Thunder Bay	37,220.69	1,280.00	
Temiskaming	96,262.14	1,877.70	
	$ 988,594.58	$20,457.35	
Less Inter-Provincial Receivable	39,754.28	850.42	
	$ 948,840.30	$ 19,606.93	$ 968,447.23

	Old Age Pensions	Blind Pensions	
OTHER PROVINCES			
Alberta	$ 14,416.00		
British Columbia	8,791.07		
Manitoba	22,776.22		
Saskatchewan	45,877.27	140.00	
Nova Scotia	1,503.16		
Prince Edward Island	44.52		
Quebec	29,968.94	80.00	
New Brunswick	768.10		
	..124,145.28	220.00	
Less Inter-Provincial Receivable	111,418,03	220.00	
	$ 12,727.25		$ 12,727.25

	Old Age Pensions	Blind Pensions	
OTHER PROVINCES—ACCOUNTS PAYABLE			
Alberta	$ 6,098.24	75.00	
British Columbia	10,496.04	83.52	
Manitoba	6,918.69	47.27	
Saskatchewan	7,452.55	13.48	
Nova Scotia	803.72		
Prince Edward Island	29.90		
Quebec	15,526.77	464.26	
New Brunswick	392.48	51.70	
	$ 47,718.39	$ 735.23	$ 48,453.62

	Old Age Pensions	Blind Pensions	
OTHER PROVINCES — ACCOUNTS RECEIVABLE			
Alberta	$ 32,987.40	207.73	
British Columbia	19,423.57	33.00	
Manitoba	54,258.83	696.22	
Saskatchewan	110,258.16	1,282.55	
Nova Scotia	12,126.35	174.00	
Prince Edward Island	538.40		
Quebec	92,410.26	1,524.81	
New Brunswick	7,041.49	125.64	
	$ 329,044.46	$ 4,043.95	$ 333,088.41
	$12,864,638.56	$ 266,425.53	$13,131,064.09

ACCOUNTS RECEIVABLE

	Outstanding Mar. 31, 1938	Charged 1938-39	Receipts 1938-39	Outstanding Mar. 31, 1939
DOMINION OF CANADA				
Old Age Pensions		$9,615,751.34	$9,615,751.34	
Blind Pensions		199,162.73	199,162.73	
OTHER PROVINCES				
Old Age Pensions	17,456.21	82,261.82	73,063.94	26,654.09
Blind Pensions	101.93	1,010.99	838.49	274.43
MUNICIPALITIES				
Old Age Pensions	14,613.28		14,613.28	
Blind Pensions				
PROVINCE OF ONTARIO				
Old Age Pensions		3,166,625.40	3,166,625.40	
Blind Pensions		66,251.81	66,251.81	
	$32,171.42	$13,131,064.09	$13,136,306.99	$26,928.52

	Old Age Pensions	Blind Pensions	
Alberta	$ 2,055.52	$ 13.50	
British Columbia	1,632.93	2.25	
Manitoba	3,715.56	42.93	
New Brunswick	476.57	6.75	
Nova Scotia	950.18	9.75	
Prince Edward Island	104.79		
Quebec	6,053.28	96.75	
Saskatchewan	11,665.26	102.50	
	$ 26,654.09	$ 274.43	$26,928.52

MOTHERS' ALLOWANCES

Details of Disbursements and Receipts
Fiscal Year 1938-39

DISBURSEMENTS

Total Cheques Issued	$ 5,016,508.50	
Less Cancelled Cheques	14,693.00	5,001,815.50
Less Cash Refunds		1,774.82
Net Allowances Paid		5,000,040.68

RECEIPTS

York Township re 1936-37	41,104.50

COUNTIES		
Brant	$ 15,625.00	
Bruce	42,190.00	
Carleton	42,065.00	
Dufferin	10,190.00	
Dundas	13,070.00	
Durham	22,449.00	
Elgin	26,555.00	
Essex	57,095.00	
Frontenac	16,466.00	
Glengarry	36,075.00	
Grenville	13,615.00	
Grey	49,550.00	
Haldimand	22,520.00	
Haliburton	10,890.00	
Halton	22,020.00	
Hastings	57,235.00	
Huron	33,335.00	
Kent	39,125.00	
Lambton	20,970.00	
Lanark	27,830.00	
Leeds	25,420.00	
Lennox and Addington	19,455.00	
Lincoln	22,040.00	
Middlesex	35,995.00	
Norfolk	35,435.00	
Northumberland	35,630.00	
Ontario	34,800.00	
Oxford	19,635.00	
Peel	19,765.00	
Perth	13,475.00	
Peterborough	25,990.00	
Prescott	48,030.50	
Prince Edward	15,890.00	
Renfrew	87,187.00	
Russell	33,065.00	
Simcoe	135,700.00	
Stormont	92,090.00	
Victoria	29,205.00	
Waterloo	36,880.00	
Welland	56,765.00	
Wellington	31,796.00	
Wentworth	22,055.00	
York	352,782.00	
		$1,807,955.50

TOWNS

Brockville	$ 11,770.00	
Gananoque	5,995.00	
Ingersoll	11,435.00	
Prescott	4,225.00	
St. Mary's	7,380.00	
Smith's Falls	5,575.00	
Trenton	10,240.00	
Indian Reserves	8,464.00	
		$65,084.00

CITIES

Belleville	$ 36,270.00	
Brantford	58,145.00	
Chatham	27,055.00	
Fort William	56,130.00	
Galt	19,520.00	
Guelph	38,150.00	
Hamilton	272,332.00	
Kingston	54,130.00	
Kitchener	47,105.00	
London	111,991.00	
Niagara Falls	37,260.00	
North Bay	36,770.00	
Oshawa	38,473.00	
Ottawa	251,285.00	
Owen Sound	26,560.00	
Peterborough	51,027.00	
Port Arthur	33,065.00	
St. Catharines	48,809.00	
St. Thomas	32,670.00	
Sarnia	22,935.00	
Sault Ste. Marie	44,525.00	
Stratford	29,475.00	
Sudbury	45,825.00	
Toronto	1,079,115.00	
Welland	21,330.00	
Windsor	149,869.18	
Woodstock	18,320.00	
		$2,688,141.18

DISTRICTS

Algoma	$ 31,885.00	
Cochrane	90,710.00	
Kenora	22,420.00	
Manitoulin	12,235.00	
Muskoka	33,515.00	
Nipissing	53,855.00	
Parry Sound	38,445.00	
Rainy River	26,745.00	
Sudbury	55,100.00	
Temiskaming	58,380.00	
Thunder Bay	15,570.00	
		$ 438,860.00
TOTAL		$ 5,000,040.68

FINANCIAL STATEMENT — CHILDREN'S AID SOCIETIES

RECEIPTS

	MUNICIPAL PAYMENTS				PROVINCIAL PAYMENTS			PRIVATE			
	Main'nce from Municipality	Grant from Municipality	Main'nce from Outside Municipalities	Main'nce from Parents and Others	Grant	Mileage	Payment for Wards	Donations Memberships, Etc.	Interest from Bequests	Sundry	Total Receipts from all Sources
Algoma	$ 9,854.53		$ 1,739.25	$ 507.05	$ 1,500.00	$ 388.34	$ 6,631.70	$ 1,660.67	$ 80.00	$ 811.12	$ 23,172.66
Brant	12,019.50		172.78	478.02	1,000.00	90.92		440.50	1,632.71	77.15	15,911.58
Bruce		$ 4,500.00		113.27	1,000.00	244.61		5.00	398.81	275.52	6,537.21
Cochrane	3,941.25	1,000.00	470.50	55.00	1,000.00	54.15	8,200.50	3,881.69			18,603.09
Dufferin	2,988.20	500.00	343.31		1,000.00	41.77	333.93	20.00		18.52	5,245.73
Elgin	12,167.38	900.00	104.50	59.90	1,000.00	91.43		17.75	608.39	16,651.28	31,600.63
Fort William	5,117.25		93.00		500.00	58.50	2,940.00	36.30		753.04	9,498.09
Frontenac	11,284.33		1,719.90	472.00	1,500.00	31.52	620.25	1,716.20	185.56	478.40	18,008.16
Grey	5,398.75	4,700.00		128.50	1,000.00		348.00	241.86	296.98		12,114.09
Haldimand	10,354.00		908.50	143.38	1,000.00	110.89		294.79		37.21	12,848.77
Halton and Peel	8,808.00		252.75		1,000.00	238.17		10.00		28.00	10,336.92
Hamilton	56,215.37		2,778.15	951.08	1,500.00	396.28		180.00	400.00	11,300.30	73,721.18
Hastings	15,286.20		712.95		1,083.26	77.25		6.00			17,165.66
Huron	4,763.00				500.00	241.27		47.50	65.00		5,616.77
Kenora					108.30	30.35	170.00	71.57			380.22
Kent	5,036.65	7,720.00		40.00	1,000.00			50.00		65.62	13,912.27
Lambton		9,000.00			500.00	174.39	336.75	198.85	128.00	79.16	10,417.15
Lanark	5,100.00		112.50	35.00	1,000.00	160.00		267.92			6,675.42
Leeds and Grenville	24,510.92	240.00	1,012.25	1,584.80	1,500.00	82.85		1,786.26	2,273.05	52.00	33,042.13
Lennox and Addington	8,486.87		2.80	5.50	1,000.00	33.78		15.50	350.00	64.68	9,959.13
Lincoln	16,316.72		447.50	171.50	1,000.00			440.15		37.12	18,412.99
London and Middlesex	44,417.46		760.55	606.60	1,500.00			163.81	3,218.91		50,667.33
Manitoulin	120.00	10.00			74.98			50.50			255.48
Muskoka	1,271.10	240.00		180.00	1,000.00	508.90		903.38		295.34	4,398.72
Niagara Falls		4,800.00		40.75	100.00	8.89		23.52		53.86	5,027.02
Nipissing	8,234.08		3.75	1,294.00	1,000.00	581.54	1,119.00	1,102.89			13,335.26
Norfolk	14,830.01		975.60	201.01	1,500.00	164.50		2,074.65	897.46	8.15	20,651.38
Northumberland and Durham	7,882.25		2,079.40	355.70	1,000.00	150.45		1,985.00	913.34	234.27	14,600.41
Ontario	12,966.03		1,712.15		500.00	94.84				671 55	15,944.57
Ottawa and Carleton	53,285.58	4,700.00	2,297.75	3,823.03	1,500.00	100.80		135.00	265.00	100.00	66,207.16
Oxford	13,340.93		540.00	307.29	1,000.00	42.77		160.15	85.75	12.00	15,488.89
Parry Sound	2,238.42			437.50	1,000.00	820.99	4,133.57	34.50		6.66	8,671.64
Perth		4,900.00	228.00	65.00	500.00	85.47		507.28	117.50	34.40	6,437.65
Peterborough	8,176.50			520.00	1,000.00	98.04		1,313.09	407.86	278.98	11,794.47
Port Arthur	3,587.25				500.00	47.30	2,364.36	114.40			6,613.31
Prescott and Russell	16,602.00			756.10	916.71	345.37		38,00		23.25	18,681.43
Prince Edward	5,796.50		1,157.25	32.00	1,000.00	13.32		44.50	30.50	53.56	8,127.63
Rainy River	814.70			2.00	1,088.13	605.54	1,272.77	114.75		67.70	3,965.59
Renfrew	11,485.13	2,072.93	138.65	170.00	1,000.00	751.23		10.00		128.75	15,756.69
Simcoe	24,869.61		250.50	99.80	1,000.00	309.34		22.50		62.22	26,613.97
Stormont, Dundas and Glengarry	11,682.75		177.30	974.82	500.00	62.86		1,046.05		106.98	14,550.76
Sudbury	4,873.48	100.00	1,861.01	199.90	1,500.00	605.70	9,031.01	552.81		1,657.23	20,381.14
Timiskaming	4,183.17				1,000.00	197.68	7,491.30	3,361.90		547.50	16,781.55
Toronto	218,157.46		12,355.35	9,889.70	1,500.00		970.00	71,393.51	4,358.55		318,624.57
Victoria and Haliburton	13,507.68		1,041.50	1,255.54	1,000.00	85.45		69.37		140.00	17,099.54
Waterloo	15,227.01		163.50	381.00	1,000.00	519.11	22.00	12.80			17,325.42
Welland	18,454.39		867.20	739.69	1,000.00	1.80		10.00		559.39	21,632.47
Wellington	13,336.25			62.00	1,000.00			970.48	306.48		15,675.21
Windsor (Protestant)	42,990.52	2,700.00	299.00	92.90	1,000.00			103.00	1.68	2.22	47,189.32
Windsor (R.C.)	37,165.33		249.84		1,500.00	22.35		746.55		137.29	39,821.36
Wentworth		7,771.23	1,314.00	119.75	500.00	28.55	182.72	14.00			9,930.25
York	8,280.67	46,800.00	301.49	2,576.52	1,500.00	121.98	394.65	1,027.52		5,000.00	66,002.83
R.C. St. Vincent de Paul	69,679.75		5,281.77	1,468.75	1,500.00		1,240.12	9,415.25		112.99	88,698.63
TOTALS	$905,104.93	$102,654.16	$44,926.20	$31,396.35	$52,371.38	$8,921.24	$ 47,802.63	$108,909.67	$17,021.53	$41,023.41	$1,360,131.50

FINANCIAL STATEMENT — CHILDREN'S AID SOCIETIES

EXPENDITURES

	Shelter	Bdg. Homes	All Other	Total	Days' Care		Cost per Day	
					Shelter	Bdg. Homes	Shelter	Bdg Homes
Algoma	$ 8,283.62	$ 6,285.53	$ 8,736.95	$ 23,306.10	11,794	14,262	.70	.44
Brant	3,146.31	8,467.23	4,904.19	16,517.73	2,949	13,345	1.07	.63
Bruce	3,188.04		4,016.11	7,204.15	3,309		.96	
Cochrane	4,543.31	8,885.16	5,708.60	19,137.07	4,829	13,261	.94	.67
Dufferin		3,303.14	2,273.81	5,576.95		5,366		.61
Elgin		11,960.58	16,892.71	28,853.29		16,169		.73
Fort William	4,107.72	2,793.53	1,742.10	8,643.35	6,605	4,469	.62	.62
Frontenac		12,045.83	4,952.27	16,998.10		18,836		.64
Grey	3,715.35	4,183.01	3,700.90	11,599.26	4,750	5,003	.78	.83
Haldimand		10,859.52	2,481.46	13,340.98		12,657		.85
Halton and Peel		7,770.86	3,054.95	10,825.81		12,119		.64
Hamilton	3,566.53	56,812.27	13,876.21	74,255.01	3,639	66,687	98	.85
Hastings		14,544.06	1,750.28	16,294.34		22,725		.64
Huron	2,687.75	581.68	2,199.60	5,469.03	1,945	955	1.38	.61
Kenora		195.25	30.25	225.50				
Kent	6,474.49	2,277.25	4,608.12	13,359.86	10,492	3,650	.61	.63
Lambton		6,472.40	3,208.88	9,681.28		8,886		.72
Lanark		3,689.00	3,395.44	7,084.44		6,813		.54
Leeds and Grenville	10,230.71	16,686.26	6,312.78	33,229.75	8,569	23,885	1.02	.76
Lennox and Addington		7,383.62	2,201.58	9,585.20		11,216		.66
Lincoln		10,865.67	7,316.41	18,182.08		17,423		.62
London and Middlesex	9,557.01	26,059.62	13,994.85	49,611.48	12,643	38,392	.75	.67
Manitoulin		131.50	90.69	222.19		365		.36
Muskoka		1,299.76	2,881.12	4,180.88		2,920		.44
Niagara Falls	2,760.63	341.19	1,911.10	5,012.92	3,092	552	.89	.62
Nipissing	4,566.70	5,381.89	4,093.02	14,041.61	5,695	7,058	.80	.76
Norfolk		14,229.11	7,366.12	21,595.23		18,449		.77
Northumberland and Durham	3,727.61	6,520.58	2,755.44	13,003.63	4,497	9,579	.82	.68
Ontario	8,397.89	2,787.93	4,223.80	15,409.62	7,710	3,821	1.08	.73
Ottawa and Carleton		51,754.11	31,818.22	83,572.33		94,461		.69
Oxford	3,767.03	8,453.12	3,224.05	15,444.20	4,399	16,685	.85	.50
Parry Sound	2,540.25	3,565.76	2,620.70	8,726.71	3,577	6,125	.71	.58
Perth	2,578.35		3,397.48	5,975.83	4,332		.59	
Peterborough	3,883.91	4,192.45	3,052.56	11,128.92	5,096	5,952	.76	.70
Port Arthur	3,884.35	1,725.37	705.75	6,315.47	5,110	5,110	.76	.34
Prescott and Russell		10,084.71	8,796.63	18,881.34		19,949		.50
Prince Edward		6,219.07	2,031.00	8,250.07		9,301		.67
Rainy River		3,864.04		3,864.04		4,094		.94
Renfrew	3,218.09	5,888.35	5,489.28	14,595.72	2,681	12,890	1.20	.45
Simcoe	4,073.91	17,416.39	1,083.44	22,573.74	7,371	33,290	.55	.52
Stormont,, Dundas and Glengarry		8,989.12	4,341.44	13,330.56		15,577		.57
Sudbury	11,321.26	6,845.99	3,789.80	21,957.05	11,206	10,632	1.01	.64
Timiskaming	3,570.64	8,393.07	4,018.31	15,982.02	5,097	(Omitted)	.70	.75
Toronto	13,976.36	209,231.36	83,686.76	306,894.48	6,770	253,580	2.06	.82
Victoria and Haliburton		13,689.25	4,214.80	17,904.05		20,302		.67
Waterloo	6,395.56	6,074.09	4,590.73	17,060.38	12,224	9,709	.52	.63
Welland	6,423.12	11,506.88	2,959.81	20,889.81	8,402	18,233	.76	.63
Wellington	5,948.30	3,275.07	8,440.67	17,664.04	7,614	3,539	.78	.92
Windsor (Protestant)	1,984.03	37,865.42	5,671.69	45,521.14	2,284	53,149	.86	.71
Windsor (R.C.)	4,921.69	33,431.17	1,500.00	39,852.86	4,840	38,227	1,01	.87
Wentworth	5,086.01	2,282.08	2,562.16	9,930.25	5,885	3,285	.86	.69
York	5,143.35	31,951.26	24,889.53	61,984.14	4,963	66,069	1.04	.76
R.C. St. Vincent de Paul	3,740.86	78,115.44	4,868.13	86,724.43	1,687	95,283	2.21	.82
TOTALS	$171,410.74	$817,627.00	$358,432.68	$1,347,470.42	196,056	1,154,305	.87	.70

SOLDIER'S AID COMMISSION OF ONTARIO

Statement of Receipts and Expenditures

No. 1 Account (Operating)

April 1st, 1938 to March 31st, 1939

RECEIPTS

Balance in hand	$	5,288.95	
From Provincial Treasurer	11,000.00		
From Provincial Treasurer	10,820.00	21,820.00	
			$ 27,108.95

EXPENDITURES

Office Salaries	$ 10,820.00		
Postage	160.00		
Car Tickets	70.00		
Stationery	390.36		
Telegraph and Telephone	96.42		
Travelling Expenses	2,045.15		
Miscellaneous	91.46		
		$ 13,673.39	
(RE WARDS)			
Clothing	99.81		
Maintenance	849.00		
Medical and Dental	164.15		
Miscellaneous	25.30		
		$ 1,138.26	
(RE TRANSFER OF FUNDS)			
To No. 2 Account	10,500.00		
Land Settlement Account	1,797.30		
		$ 12,297.30	
			$ 27,108.95

Relief, Estates and Trust Funds

Accounts No. 2, No. 8 (Hammond Estate), Childrens (Ward) Trust Account and Estate of Hales, Croft, McNab and Scott

April 1st, 1938 to March 31st, 1939

STATEMENT OF RECEIPTS

1938, April 1st—Balance brought forward from 1937-38 Statement			
Investments		$111,975.41	
Cash in Bank		5,277.41	
			$117,252.82
1938-39—LESS—Bonds matured		$ 3,000.00	
Sale of Bonds		5,800.00	
Reduction of Mortgage		200.00	
			9,000.00
			$108,252.82
RECEIPTS			
No. 2 Account (Emergency Assistance)			
Canteen Fund	$ 64.00		
Other Sources	274.50		
Miscellaneous	86.75		
Transfers from No. 1 Account	10,500.00		
		10,925.25	
HALES ESTATE		20.00	
McNAB ESTATE		31.25	
SCOTT ESTATE		427.24	
CROFT ESTATE		621.00	
No. 8 Account —(Hammond Estate)—Bank Int'	$ 31.34		
National Trust Co.	25,134.78		
Bond Coupons—Interest	3,778.75		
Bonds matured	3,000.00		
		$ 31,944.87	
WARDS (Trust) ACCOUNT—Bond Coupons (Int.)	$ 949.46		
Dept. of Pensions and N.H. and incidentals	556.45		
Receipt on sale of Bonds	5,800.00		
Wages for Ward	74.35		
		$ 7,380.26	
			$ 51,349.87
			$159,602.69

Relief Estates and Trust Funds (Continued)

STATEMENT OF EXPENDITURES

April 1st, 1938 to March 31st, 1939

NO. 2 ACCOUNT—(Emergency Assistance)			
Gratuities	$ 10,389.70		
Canteen Fund	56.00		
Other Sources	259.50		
		$ 10,705.20	
HALES ESTATE — Grants (nil)			
McNAB ESTATE — Grants		947.35	
SCOTT ESTATE — Grants		15.00	
CROFT ESTATE — (Payment re Taxes)		524.30	
HAMMOND ESTATE — Grants		2,051.93	
WARDS (Childrens) Trust Account		7,105.54	
			$ 21,349.32

ASSETS

CROFT ESTATE		
Assessed Value of Real Estate	$ 15,000.00	
Fryer's Mortgage	2,050.00	
INVESTMENTS		
Hammond Estate	103,818.84	
Wards Trust Account	8,308.00	
Balance at Bank	9,076.53	
		$138,253.37
		$159,602.69

SOLDIERS AID COMMISSION OF ONTARIO

Land Settlement Account

BARRIE PROPERTY

Statement of Receipts and Expenditures

1st APRIL, 1938 to 31st MARCH, 1939

RECEIPTS

1938, April 1st—Balance at Bank		$ 2,958.84
ASSETS—Land	$ 5,603.96	
Buildings	6,169.00	
Equipment	300.00	
		$ 12,072.96
		$ 15,031,80
1938-1939—Transfer of Funds from No. 1 Account		$ 1,216.21
Refund of Gasoline Tax		24.90
		$ 16,272.91

EXPENDITURES

Miscellaneous	$ 4,186.94
(Well, clearing land, equipment, new cottage, gravel and taxes)	
Balance at Bank	13.01
	$ 4,199.95
Assets as Above	12,072.96
	$ 16,272.91
ASSETS—As at 31st March, 1939.	
Land	$ 6,540.95
Buildings	7,069.00
Equipment (at cost)	637.22
Well	1,073.50
	$ 15,320.67
Balance at Bank	13.01
Total Assets	$ 15,333.68

STATISTICAL REPORTS

Part III.

STATISTICAL REPORT OF OLD AGE PENSIONS — 1938 - 1939 — (FISCAL)

CITIES	NUMBER OF PENSIONS										ELIGIBLE													RECONSIDERED					INELIGIBLE									
											Sex		Civil Status				Age				Nationality																	
	March 31, 1938	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1939	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	70 – 75	76 – 80	81 – 85	86 and Over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements and Transfers	Former Decision Sustained	Total Ineligible	Assets—Other than Property	Property	Transfer of Property	Earnings	Not 70 Years of Age	Parents' Maintenance Act	Residence	Not a British Subject	Other Reasons
Belleville	236	49	....	1	41	7	249	33	8	41	16	25	2	19	20	....	30	5	4	2	29	12	......	28	3	11	5	2	7	3	....	2	....	......	1	1	....	....
Brantford	713	120	....	......	106	13	733	84	22	106	52	54	12	54	39	1	93	7	3	3	66	38	2	87	25	12	6	2	13	4	1	1	1	5	1	....	....	....
Chatham	298	27	....	......	21	6	289	16	5	21	8	13	4	9	8	....	20	......	......	1	17	3	1	30	......	5	......	......	6	1	....	1	....	4	....	....	....	....
Fort William	193	32	....	......	30	2	201	20	10	30	15	15	1	17	12	....	26	3	1	....	12	9	9	22	1	4	......	......	2	......	....	....	1	......	....	1	....	....
Galt	304	61	....	......	45	15	316	37	8	45	17	28	4	22	19	....	33	10	1	1	30	14	1	33	3	7	5	1	15	8	....	2	2	......	....	3	....	....
Guelph	341	66	....	4	53	12	353	42	11	53	25	28	9	23	21	....	43	8	1	1	34	17	2	41	3	11	2	1	12	6	3	2	....	1	....	....	....	....
Hamilton	2430	376	....	4	299	73	2438	220	79	299	140	159	32	129	130	8	254	33	11	1	143	140	16	291	73	74	12	24	73	18	6	9	6	11	16	3	....	4
Kingston	446	62	....	3	55	6	433	37	18	55	28	27	15	17	22	1	47	5	1	2	47	8	......	67	3	3	4	3	6	2	....	1	....	2	1	....	....	....
Kitchener	376	74	....	......	65	8	402	40	25	65	33	32	5	27	32	1	50	7	5	3	47	11	7	39	2	12	6	1	8	1	2	1	....	......	2	1	....	1
London	1369	206	...	1	171	32	1378	129	42	171	75	96	30	62	78	1	143	21	4	3	109	58	4	162	40	37	8	11	32	7	3	3	5	4	6	....	....	4
Niagara Falls	210	48	....	......	41	5	225	35	6	41	15	26	8	18	15	....	32	5	3	1	28	13	......	26	......	3	......	......	5	2	1	....	....	......	....	2	....	....
North Bay	199	36	....	......	31	5	201	21	10	31	17	14	1	17	13	....	25	3	2	1	27	3	1	29	2	5	4	......	5	1	....	1	1	......	....	1	1	....
Oshawa	302	40	....	......	35	4	307	30	5	35	18	17	4	15	16	....	31	2	1	1	24	10	1	30	3	6	3	......	4	1	....	1	....	......	2	....	....	....
Ottawa	2081	333	....	4	298	32	2148	232	66	298	137	161	48	124	121	5	236	41	15	6	238	49	11	269	36	63	19	21	32	7	1	3	2	7	7	2	....	3
Owen Sound	284	51	....	2	38	11	302	25	13	38	24	14	3	17	16	2	35	2	1	....	29	9	......	20	......	8	1	1	11	......	1	3	1	3	1	2	....	....
Peterborough	407	77	...	2	68	9	423	39	29	68	33	35	14	26	28		53	9	5	1	48	20	......	52	5	12	4	4	9	3	1	1	....	......	3	1	....	....
Port Arthur	199	38	.	1	33	5	216	27	6	33	22	11	5	14	13	1	31	......	1	1	13	7	13	16	2	5	......	......	5	......	....	....	....	2	1	2	....	....
St. Catharines	373	62	...	1	50	11	372	36	14	50	26	24	2	25	21	2	41	8	1	....	28	18	4	51	1	1	4	2	11	2	1	2	....	3	2	1	....	....
St. Thomas	280	45	..	2	39	5	294	33	6	39	16	23	4	20	15	....	27	11	1	....	27	11	1	25	2	8	1	......	5	1	1	1	1	......	....	....	1	....
Sarnia	256	32	....	......	30	2	258	22	8	30	9	21	5	13	12	....	20	9	1	....	21	9	......	28	......	4	......	1	2	......	....	....	....	1	....	....	1	....
Sault Ste. Marie	295	40	....	......	38	2	305	28	10	38	18	20	5	19	14	....	30	4	3	1	28	7	3	28	2	16	2	3	2	1	....	....	....	......	1	....	....	....
Stratford	338	51	....	1	44	6	342	33	11	44	22	22	6	22	16	....	40	2	1	1	34	9	1	40	5	13	1	1	6	1	1	1	1	1	1	....	....	....
Sudbury	159	22	....	......	20	2	169	14	6	20	11	9	3	12	5	....	19	......	1	....	16	2	2	10	2	5	......	2	2	......	....	....	....	......	1	....	....	1
Toronto	10706	1690	....	12	1587	89	11000	1324	263	1587	684	903	188	722	669	8	1359	147	61	20	773	695	119	1294	282	349	82	99	89	22	6	9	8	2	26	11	....	5
Welland	79	25	....	......	23	2	87	15	8	23	9	14	2	11	10	....	20	1	......	2	10	11	2	18	2	4	1	1	2	2	....	....	....	......	....	....	....	....
Windsor	1217	206	....	1	185	18	1260	157	28	185	96	89	14	99	72	...	169	13	2	1	135	32	18	143	24	31	11	10	18	2	....	2	1	......	7	1	....	5
Woodstock	194	28	....	......	26	2	202	22	4	26	13	13	7	13	5	1	14	8	3	1	19	7	......	18	......	7	3	......	2	......	....	....	1	1	....	....	....	....
	24285	3897	....	39	3472	384	24903	2751	721	3472	1579	1893	433	1566	1442	31	2921	364	133	54	2032	1222	218	2897	521	716	184	190	384	95	28	16	31	47	79	32	3	23

STATISTICAL REPORT OF OLD AGE PENSIONS — 1938 - 1939 — (FISCAL)

TOWNS	NUMBER OF PENSIONS										'ELIGIBLE													RECONSIDERED					INELIGIBLE									
											Sex		Civil Status				Age				Nationality																	
	March 31, 1938	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1939	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	70 – 75	76 – 80	81 – 85	86 and Over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements and Transfers	Former Decision Sustained	Total Ineligible	Assets—Other than Property	Property	Transfer of Property	Earnings	Not 70 Years of Age	Parents' Maintenance Act	Residence	Not a British Subject	Other Reasons
Brockville	214	31	....	....	29	....	218	23	6	29	14	15	6	12	11	..	22	5	2	....	21	5	...	25	1	3	4	....	....	....	..	....	...	......	...	...	....	...
Gananoque	94	12	....	1	9	3	90	8	1	9	3	6	......	5	3	1	7	2	....	....	7	2		13	1	......	....	1	3	....	....	....	1	......	1	1	...	....
Ingersoll	105	13	....	....	12	1	97	11	1	12	5	7	2	5	5		11	......	1	...	10	1	1	20	.....	2	....	....	1	....	....	....		1	....	...	...	.
Prescott	50	9	....	....	8	1	52	7	1	8	4	4	2	4	2		7	1	......	....	7	1	......	6	......	3	....	....	1	1	...	...	...	......	...	....	....	....
St. Mary's	73	14	....	....	13	1	74	12	1	13	5	8	1	3	9	...	10	2	......	1	12	1	......	12	......	1	....	.....	1	....	....	....	1	.....	....	....	....	....
Smith's Falls	119	19	....	....	15	4	121	14	1	15	8	7	1	12	2	....	10	5	...	....	14	......	1	13	....	......	....	....	4	....	....	1	....	2	..	1	...	..
Timmins	90	27	....	2	20	7	100	12	8	20	12	8	2	8	10	....	17	2	1	....	16	3	1	10	..	1	1	....	7	2	....	1	....	2	1	1	....	..
Trenton	161	19	....	....	16	2	161	15	1	16	8	8	.....	8	8	....	14	2	......	....	14	2	......	·16	1	3	1	....	2	1	....	....	....	......	...	....	...	1
	906	144	....	3	122	19	913	102	20	122	59	63	14	57	50	1	98	19	4	1	104	15	3	115	3	13	6	1	19	4	....	2	2	5	2	3	....	1
DISTRICTS																																						
Algoma	564	66	....	....	57	9	557	41	16	57	39	18	7	31	16	....	49	5	1	2	49	7	1	65	1	21	1	6	9		1	4	...	2	...	1	1	...
Cochrane	354	55	....	....	49	6	362	28	21	49	33	16	5	30	14		44	4	1	...	42	5	2	41	2	10	2	6	6		1			3	1	1	.	...
Haliburton	173	19	....	1	17	2	169	8	9	17	13	4	1	13	3	.	16	1	......	..	15	2	....	21	5	4	......	4	2		..	1	.	1	..		...	...
Kenora	251	37	....	....	32	4	261	23	9	32	25	7	4	12	16	...	27	4	.....	1	18	9	5	22	1	6	4	3	4			2	..	1	..	1	...	..
Manitoulin	143	31	....	1	25	6	157	16	9	25	16	9	3	14	8	...	21	4	......	....	22	3	.....	11	.....	2	....	1	6	..		1	...	2	2	1	....	..
Muskoka	457	71	....	1	58	13	466	39	19	58	37	21	9	33	15	1	47	8	2	1	40	16	2	49	3	21	4	5	13	2	2		...	7	1	1	...	...
Nipissing	569	76	....	2	67	9	573	41	26	67	42	25	4	40	23	...	59	5	1	2	62	3	2	64	10	35	4	11	9	1	1	2	...	3	2	...	.	..
Parry Sound	558	92	....	1	79	11	583	54	25	79	47	32	1	42	26	...	67	7	4	1	57	16	6	54	12	28	6	7	11	1	...	2	...	5	1	1	...	1
Rainy River	306	54	....	....	46	6	322	33	13	46	35	11	3	29	11	...	42	3	1	....	26	12	8	30	1	16	2	2	6	....	...	2	.	3	....	1	...	....
Sudbury	488	76	....	....	59	17	501	34	25	59	35	21	11	28	20	....	53	2	3	1	48	2	9	47	4	21	......	10	17	2	1	2	1	3	6	2	...	..
Thunder Bay	167	26	....	....	20	5	169	13	7	20	13	7	2	11	6	1	18	2	.....	....	7	4	9	18	......	3	.....	....	5	......	....	2	..	2	....	...	....	1
Timiskaming	424	79	....	1	71	8	443	46	25	71	48	23	13	36	22	....	63	6	1	1	54	13	4	52	3	9	5	....	8	3	..	1	....	1	1	1	....	1
	4454	682	....	7	580	96	4563	376	204	580	383	197	73	322	113	2	506	51	14	9	440	92	48	474	42	176	28	55	96	9	6	19	1	33	14	10	1	3

STATISTICAL REPORT OF OLD AGE PENSIONS — 1938 - 1939 — (FISCAL)

COUNTIES	NUMBER OF PENSIONS										ELIGIBLE													RECONSIDERED					INELIGIBLE									
											Sex		Civil Status				Age				Nationality																	
	March 31, 1938	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1939	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	70 – 75	76 – 80	81 – 85	86 and Over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements and Transfers	Former Decision Sustained	Total Ineligible	Assets—Other than Property	Property	Transfer of Property	Earnings	Not 70 Years of Age	Parents' Maintenance Act	Residence	Not a British Subject	Other Reasons
Brant	396	53	1	....	43	9	399	32	11	43	22	21	8	19	16	....	36	2	5	....	29	14	....	40	3	10	1	1	9	....	3	....	1	3	1	1	....	....
Bruce	685	110	2	....	96	10	700	38	58	96	52	44	21	46	29	....	73	16	6	1	87	8	1	81	4	27	2	7	10	1	1	2	....	2	1	1	....	2
Carleton	668	113	2	....	100	11	717	65	35	100	54	46	14	46	39	1	75	17	7	1	79	16	5	58	7	30	3	7	11	1	1	1	3	....	3	2	....	....
Dufferin	268	48	....	....	46	2	286	29	17	46	25	21	4	18	24	....	37	7	1	1	43	3	....	28	....	15	....	5	2	1	....	....	....	1	....	....	....	....
Dundas	293	47	....	1	38	9	298	26	12	38	21	17	6	20	12	....	29	6	3	....	36	2	....	34	2	14	....	....	9	2	1	1	....	1	3	1	....	....
Elgin	647	100	....	1	83	17	638	56	27	83	46	37	14	35	34	....	67	13	3	....	69	13	1	92	11	28	3	1	17	2	2	....	1	7	3	....	....	2
Essex	888	130	....	3	120	10	903	82	38	120	61	59	5	73	42	....	95	16	6	3	98	16	6	108	9	24	2	7	10	2	....	2	....	2	2	1	....	1
Frontenac	489	88	....	2	72	13	507	42	30	72	35	37	4	37	31	....	48	16	2	6	64	7	1	54	4	16	5	12	13	5	1	....	....	2	3	1	....	1
Glengarry	441	76	....	2	62	12	459	35	27	62	27	35	13	24	25	....	45	11	2	4	57	3	2	48	4	31	2	12	12	2	....	6	1	....	3	....	....	....
Grey	766	144	....	....	128	15	807	53	75	128	70	58	16	63	49	....	95	22	8	3	112	12	4	87	....	24	5	6	15	1	1	5	....	5	3	....	....	....
Haldimand	333	56	....	....	47	9	341	25	22	47	25	22	8	18	21	....	35	5	6	1	44	2	1	39	2	14	3	1	9	2	....	2	1	1	1	1	....	1
Halton	431	66	....	....	60	5	441	40	20	60	35	25	6	34	20	....	51	7	2	....	38	20	2	50	4	17	3	3	5	....	1	1	1	1	....	....	....	1
Hastings	1006	164	....	1	139	24	1019	87	52	139	85	54	16	69	53	1	110	21	5	3	127	10	2	126	16	66	4	12	24	3	1	3	....	11	2	2	1	1
Huron	859	126	....	4	105	19	861	53	52	105	51	54	17	51	37	....	89	9	4	3	96	7	2	103	7	22	3	10	19	3	1	4	....	1	7	1	1	1
Kent	736	102	....	1	96	6	747	58	38	96	53	43	11	45	39	1	72	21	3	....	82	12	2	85	6	24	2	4	6	1	....	1	....	2	2	....	....	....
Lambton	597	110	1	3	99	10	610	62	37	99	50	49	12	47	39	1	78	15	2	4	83	15	1	86	2	31	6	7	10	3	1	....	....	1	....	3	....	2
Lanark	528	90	....	2	72	18	538	42	30	72	35	37	12	37	22	1	67	2	1	2	59	11	2	63	7	19	2	1	18	5	2	1	....	1	5	2	....	2
Leeds and Grenville	840	155	....	4	131	24	850	90	41	131	68	63	14	64	53	....	100	20	7	4	122	8	1	121	3	34	7	9	24	4	....	5	3	7	2	2	....	1
Lennox and Addington	490	72	....	....	60	11	498	25	35	60	29	31	5	28	27	....	46	8	5	1	57	2	1	52	6	25	4	11	11	....	1	1	....	2	1	2	1	3
Lincoln	531	65	....	....	47	16	519	34	13	47	21	26	8	21	18	....	35	8	1	3	28	18	1	62	4	11	7	11	16	7	....	2	....	2	5	....	....	....
Middlesex	815	125	....	3	107	17	828	70	37	107	50	57	15	52	40	....	80	22	4	1	86	18	3	94	1	26	5	3	17	1	5	3	1	....	3	1	....	3
Norfolk	595	73	....	2	61	10	576	53	8	61	34	27	11	27	22	1	53	6	1	1	53	7	1	80	3	14	4	3	10	....	1	1	....	4	1	2	1	....
Northumberland and Durham	1212	210	....	2	178	27	1229	99	79	178	92	86	25	85	68	....	144	23	8	3	144	33	1	160	16	55	8	17	27	3	1	3	3	5	4	2	2	4
Ontario	733	103	....	....	87	12	724	66	21	87	46	41	16	43	28	....	70	11	5	1	73	12	2	95	7	24	4	4	12	4	2	1	....	2	2	....	....	1
Oxford	457	79	....	....	73	5	483	53	20	73	39	34	7	43	23	....	64	3	4	2	55	16	2	47	1	21	2	7	5	2	....	....	1	....	1	1	....	....
Peel	441	58	....	....	56	1	445	40	16	56	32	24	11	19	26	....	44	9	2	1	34	22	....	52	2	17	1	....	1	....	....	1	....	....	....	....	....	....
Perth	406	67	....	1	55	11	405	38	17	55	34	21	11	21	23	....	34	13	6	2	44	7	4	56	4	13	2	3	11	2	....	3	....	2	2	2	....	....
Peterborough	444	59	....	3	50	9	443	23	27	50	26	24	7	24	19	....	41	4	4	1	48	2	....	51	1	24	....	11	9	2	....	1	2	2	1	....	....	1
Prescott and Russell	915	121	....	2	99	22	522	56	43	99	52	47	6	58	35	....	70	8	9	3	94	1	4	50	4	43	5	18	22	2	....	10	....	4	2	4	....	....
Prince Edward	456	69	....	2	57	11	457	27	30	57	29	28	5	32	20	....	49	4	3	1	51	5	1	56	6	22	2	9	11	2	....	2	....	3	....	1	....	3
Renfrew	986	208	....	4	169	37	1028	87	82	169	97	72	18	80	71	....	126	26	10	7	135	7	27	126	13	60	7	15	37	3	2	12	1	3	6	3	3	4
Russell	....	45	....	1	34	10	371	18	16	34	17	17	1	19	14	....	27	5	2	....	33	1	....	36	4	13	1	9	10	....	....	4	....	1	4	1	....	....
Simcoe	1785	272	....	3	238	34	1787	144	94	238	113	125	27	110	101	....	196	25	11	6	207	27	4	236	30	94	8	16	34	7	3	3	2	12	4	1	....	2
Stormont	565	80	....	....	72	8	596	49	23	72	26	46	9	28	35	....	56	9	5	2	69	2	1	55	2	34	3	11	8	2	....	1	1	....	1	1	....	2
Victoria	509	90	....	2	81	9	534	36	45	81	40	41	3	47	31	....	64	12	3	2	71	10	....	56	7	28	1	9	9	2	....	1	3	1	....	2	....	....
Waterloo	616	84	....	2	76	7	594	53	23	76	36	40	6	45	25	....	60	10	5	1	64	7	5	98	6	12	8	2	7	....	....	3	1	2	1	....	....	....
Welland	667	115	....	1	101	11	690	64	37	101	55	46	9	50	38	4	85	13	3	....	73	16	12	79	9	37	6	3	11	2	1	5	....	1	....	2	....	....
Wellington	575	107	....	....	86	20	570	49	37	86	48	38	13	37	36	....	66	17	2	1	79	6	1	91	4	27	4	5	20	9	....	3	....	1	4	2	1	....
Wentworth	549	96	....	....	79	16	559	57	22	79	38	41	7	42	29	1	65	9	3	2	55	23	1	69	12	17	6	3	16	9	4	....	1	....	1	1	....	....
York	2734	477	....	7	443	30	2892	307	136	443	221	222	42	227	174	....	385	39	18	1	231	200	12	285	56	151	16	33	30	9	2	4	1	5	5	1	....	3
	27351	4153	6	59	3846	557	27871	2363	1483	3846	1990	1856	463	1884	1488	11	3071	510	187	78	3109	621	116	3289	289	1214	157	308	557	106	38	98	28	100	89	47	10	41

SUMMARY FOR OLD AGE PENSIONS — 1938-1939 (Fiscal)

	Pensioners March 31 1938	Granted Year ending Mar. 31, 1939	Reinstatements and Transfers	Cancellations	Pensioners March 31 1939	Ineligible New
Counties	27,351	3,846	157	3,280	27,871	557
Cities	24,285	3,472	184	2.897	24,903	384
Towns	906	122	6	115	913	19
Districts	4,454	580	28	474	4,563	96
Other Provinces	534	205	205	131	608	....
	57,530	8,225	580	6,897	58,858	1,056

	Granted (new) Year ending Mar. 31, 1938	Granted (new) Year ending Mar. 31, 1939	Eligible	Ineligible	Cancelled	Reconsidered Increases	Reconsidered Reductions
Counties	3,884	3,846	3,846	557	3,289	1,214	289
Cities	3,060	3,472	3,472	384	2.897	716	521
Towns	124	122	122	19	115	13	3
Districts	630	580	580	96	474	176	42
	7,698	8,020	8,020	1,056	6,775	2,119	855

Increase 322. No. of Cases dealt with during year ending Mar. 31, 1939, 18,825

	Transfers	Cancellations	No. Pensioners March 31, 1938	No. Pensioners March 31, 1939
Alberta	25	18	60	67
British Columbia	9	6	35	39
Manitoba	20	15	95	99
New Brunswick	7	2	3	8
Nova Scotia	3	2	6	7
Prince Edward Island	1	...		1
Quebec	65	33	120	152
Saskatchewan	75	55	215	235
	205	131	534	608

STATISTICAL REPORT OF PENSIONS FOR THE BLIND — 1938 - 1939 — (FISCAL)

CITIES	NUMBER OF PENSIONS									
	March 31, 1938	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1939	Full Pension	Part Pension	Total Pensions Granted
Belleville	8	5	1	....	3	1	11	3	....	3
Brantford	11	13	1	....	11	1	19	11	....	11
Chatham	3	2	1	....	1	....	4	1	....	1
Fort William	4	5	2	....	3	....	7	2	1	3
Galt	3	4	1	....	3	....	4	3	....	3
Guelph	3	7	....	....	6	1	8	6	....	6
Hamilton	52	25	1	....	20	4	71	19	1	20
Kingston	7	4	....	....	3	1	10	3	....	3
Kitchener	....	8	....	....	6	2	6	6	....	6
London	24	10	2	....	7	3	28	7	....	7
Niagara Falls	2	9	....	....	8	1	9	8	....	8
North Bay	2	2	....	....	2	....	2	2	....	2
Oshawa	1	4	....	....	4	....	4	3	1	4
Ottawa	32	26	7	....	22	4	50	20	2	22
Owen Sound	2	4	1	....	3	1	5	3	....	3
Peterborough	7	4	....	....	3	1	9	3	....	3
Port Arthur	2	2	1	....	2	....	4	1	1	2
St. Catharines	4	4	....	....	4	....	8	4	....	4
St. Thomas	3	2	1	....	2	....	4	2	....	2
Sarnia	....	2	....	....	1	1	1	1	....	1
Sault Ste. Marie	5	1	1	....	1	....	6	1	....	1
Stratford	4	2	....	....	1	1	5	1	....	1
Sudbury	....	3	....	....	3	....	3	3	....	3
Toronto	160	94	7	....	71	16	220	66	5	71
Welland	....	1	....	....	1	....	1	1	....	1
Windsor	10	7	3	....	6	1	16	6	....	6
Woodstock	4	5	....	....	2	3	5	2	....	2
	353	255	30	....	199	42	520	188	11	199

CITIES	ELIGIBLE																		
	Sex		Civil Status				Age										Nationality		
	Male	Female	Single	Married	Widow or Widower	Separated	40 - 45	46 - 50	51 - 55	56 - 60	61 - 65	66 - 70	71 - 75	76 - 80	81 - 85	86 and Over	Canadian Born	British Born	Foreign Born
Belleville	1	2	....	3	....	....	1	1	....	....	....	1	....	....	....	....	3	....	....
Brantford	4	7	2	7	2	....	2	2	....	1	4	1	....	1	....	....	7	2	2
Chatham	1	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....
Fort William	1	2	1	1	1	....	....	....	2	....	....	1	....	....	....	....	1	....	2
Galt	1	2	....	1	2	....	1	....	....	....	....	....	1	....	1	....	2	1	....
Guelph	1	5	2	3	1	....	1	1	....	....	2	....	....	1	1	....	5	1	....
Hamilton	13	7	1	14	5	....	1	1	2	7	3	4	2	....	....	....	9	10	1
Kingston	1	2	1	1	1	....	....	....	....	1	....	1	1	....	....	....	2	1	....
Kitchener	3	3	3	2	....	1	1	1	2	....	1	1	....	....	....	....	5	1	....
London	5	2	4	1	2	....	2	....	....	1	2	1	1	....	....	....	4	3	....
Niagara Falls	4	4	4	1	3	....	....	1	2	1	3	1	....	....	....	....	6	1	1
North Bay	2	....	2	....	....	....	....	....	....	....	1	1	....	....	....	....	2	....	....
Oshawa	2	2	....	2	2	....	....	1	....	....	1	1	1	....	....	....	3	1	....
Ottawa	8	14	7	7	8	....	3	2	4	1	5	4	....	1	....	2	18	2	2
Owen Sound	3	....	2	1	....	....	1	1	1	....	....	....	....	....	....	....	2	1	....
Peterborough	2	1	1	2	1	1	1	2	....	....	....	....	....	....	....	....	3	....	....
Port Arthur	2	....	1	1	....	....	....	1	....	1	....	....	....	....	....	....	2	....	....
St. Catharines	2	2	....	2	2	....	....	....	2	....	1	1	....	....	....	....	4	....	....
St. Thomas	....	2	1	....	1	....	....	....	....	....	....	2	....	....	....	....	1	1	....
Sarnia	1	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	1	....
Sault Ste. Marie	1	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....
Stratford	1	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....
Sudbury	2	1	....	1	2	....	....	....	....	1	1	1	....	....	....	....	2	....	1
Toronto	44	27	17	37	15	2	4	4	11	11	21	11	8	1	....	....	33	28	10
Welland	1	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....
Windsor	5	1	....	5	1	....	1	1	1	....	3	....	....	....	....	....	4	1	1
Woodstock	2	....	....	2	....	....	....	....	1	....	....	1	....	....	....	....	1	....	1
	113	86	49	98	49	3	19	19	28	27	50	34	14	4	2	2	123	55	21

CITIES	RECON-SIDERED					INELIGIBLE										
	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements	Former Decision Sustained	Total Ineligible	Assets Other than Property	Property	Transfer of Property	Earnings	Not 40 Years of Age	Parents' Maintenance Act	Too Much Vision	Residence	Not a British Subject	Other Reasons
Belleville	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Brantford	3	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1
Chatham	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Fort William	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Galt	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Guelph	1	....	1	....	....	1	....	....	....	....	....	....	1	....	....	....
Hamilton	1	3	....	....	....	4	....	....	....	2	....	1	....	....	....	1
Kingston	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Kitchener	....	....	....	....	....	2	....	....	....	....	....	....	2	....	....	....
London	2	....	....	1	1	3	....	....	....	....	....	....	3	....	....	....
Niagara Falls	1	....	....	2	....	1	....	....	....	....	....	....	1	....	....	....
North Bay	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Oshawa	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ottawa	4	....	....	....	....	4	....	....	....	....	....	....	3	1	....	....
Owen Sound	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....
Peterborough	1	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Port Arthur	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
St. Catharines	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
St. Thomas	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sarnia	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....
Sault Ste. Marie	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Stratford	....	1	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Sudbury	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Toronto	10	3	4	....	....	16	1	....	....	....	....	1	12	....	....	2
Welland	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Windsor	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....
Woodstock	1	....	....	....	....	3	....	....	....	....	1	....	2	....	....	....
	30	8	8	3	1	42	2	....	....	2	1	3	28	2	....	4

STATISTICAL REPORT OF PENSIONS FOR THE BLIND — 1938 - 1939 — (FISCAL)

TOWNS	NUMBER OF PENSIONS										ELIGIBLE																			RECON-SIDERED					INELIGIBLE										
											Sex		Civil Status				Age										Nationality																		
	March 31, 1938	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1939	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	40 – 45	46 - 50	51 - 55	56 - 60	61 – 65	66 – 70	71 – 75	76 – 80	81 – 85	86 and Over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements	Former Decision Sustained	Total Ineligible	Assets Other than Property	Property	Transfer of Property	Earnings	Not 40 Years of Age	Parents' Maintenance Act	Too Much Vision	Residence	Not a British Subject	Other Reasons
Brockville			1																																										
Gananoque	3	6	1		3	2	6	3		3	2	1	1	2							2	1					3				1	1													
Ingersoll		2			2		1	2		2		2			2					1	1						2			1			1		2	1						1			
Prescott	1						1																																						
St. Mary's	1						1																																						
Smith's Falls	4	2			1	1	5	1		1	1			1					1								1								1							1			
Timmins	1	1			1		2	1		1	1			1							1								1																
Trenton	2	2			1	1	3	1		1	1			1								1					1								1										1
	12	13	2		8	4	19	8		8	5	3	1	5	2				1	1	4	2					7		1	1	1	1	1		4	1						2			1
DISTRICTS																																													
Algoma	4	9	3		6		9	6		6	5	1	1	4	1		1	1	1	1	2						5	1		1	1														
Cochrane	2	12	4		5	3	7	4	1	5	3	2	1	2	2					2	1	2					4		1		1				3					1		2			
Haliburton	1	2			1	1	2	1		1		1		1								1					1								1										1
Kenora	2	6	3		2	1	4	2		2	1	1		2							1	1						2							1										1
Manitoulin	3	1			1		4	1		1	1		1						1								1																		
Muskoka	3	2			2		5	1	1	2	1	1		2				1					1				2																		
Nipissing	9	8	2		4	2	11	4		4	3	1	1	3			1		2	1							4			2					2							1	1		
Parry Sound	9	11	1		6	4	15	6		6	5	1	1	4	1		1	1	1		2	1					4	2							4							4			
Rainy River		10	1		5	4	4	5		5	1	4	1	3	1					2	2	1					1	2	2	1					4			1			1	2			
Sudbury	2	13			13		15	11	2	13	7	6	2	8	3		1	2		2	5	3					12		1																
Thunder Bay	1	10	1		6	3	7	5	1	6	3	3		5	1			1	2			2		1			3		3						3						1	1	1		
Timiskaming	4	6	2	1	4		8	4		4	4		1	2	1					2	1	1					3	1																	
	40	90	17	1	55	18	91	50	5	55	34	21	9	36	10		4	6	7	10	14	12	1	1			40	8	7	4	2				18			1		1	2	10	2		2

STATISTICAL REPORT OF PENSIONS FOR THE BLIND — 1938 - 1939 — (FISCAL)

COUNTIES	NUMBER OF PENSIONS										ELIGIBLE																			RECON-SIDERED					INELIGIBLE										
											Sex		Civil Status				Age										Nationality																		
	March 31, 1938	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1939	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	40 - 45	46 - 50	51 - 55	56 - 60	61 - 65	66 - 70	71 - 75	76 - 80	81 - 85	86 and Over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements	Former Decision Sustained	Total Ineligible	Assets Other than Property	Property	Transfer of Property	Earnings	Not 40 years of age	Parents' Maintenance Act	Too Much Vision	Residence	Not a British Subject	Other Reasons
Brant	5	5	1	....	2	2	7	2	....	2	2	....	....	2	....	....	....	1	....	....	1	....	....	....	....	....	1	1	....	....	....	....	....	....	2	2	....	....	....	....	....	....	....	....	....
Bruce	9	6	....	....	6	....	11	4	2	6	3	3	3	2	1	....	1	1	....	....	1	2	....	....	1	....	6	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Carleton	9	14	3	....	7	4	15	5	2	7	5	2	1	5	1	....	1	....	1	....	2	1	1	....	....	1	6	....	1	1	....	1	....	....	4	2	....	....	....	....	....	2	....	....	....
Dufferin	3	3	....	....	3	....	6	3	....	3	1	2	1	2	....	....	1	....	....	....	2	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Dundas	1	4	....	....	3	1	4	3	....	3	1	2	....	2	1	....	....	1	1	1	....	....	....	....	....	....	3	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....
Elgin	7	13	....	....	8	5	11	8	....	8	5	3	4	1	....	....	1	2	1	....	3	1	....	....	....	....	6	1	1	1	....	....	....	....	5	1	....	....	....	....	....	1	2	1	....
Essex	7	16	2	....	13	1	18	13	....	13	7	6	3	7	3	....	2	2	2	1	2	3	....	1	....	....	13	....	....	2	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Frontenac	1	8	3	....	3	2	4	3	....	3	1	2	1	1	1	....	....	....	....	1	2	....	....	....	....	....	2	1	....	....	....	....	....	....	2	....	....	....	....	....	....	2	....	....	....
Glengarry	4	13	4	....	7	2	9	5	2	7	5	2	4	....	3	....	1	....	....	....	1	....	3	....	1	1	7	....	....	1	....	....	....	....	2	....	....	1	....	....	1	....	....	....	....
Grey	6	15	3	....	8	4	14	5	3	8	6	2	3	4	1	....	....	....	....	1	2	1	....	3	....	1	8	....	....	....	1	....	....	....	4	....	....	....	....	1	....	3	....	....	....
Haldimand	4	4	....	....	4	....	6	4	....	4	3	1	....	4	....	....	1	....	1	1	1	....	....	....	....	....	4	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Halton	3	4	1	....	3	....	6	3	....	3	1	2	....	1	2	....	....	....	....	....	1	1	....	....	1	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hastings	7	30	5	....	22	3	28	19	3	22	15	7	8	10	3	1	2	3	1	4	5	2	2	2	1	....	19	3	....	1	1	1	....	....	3	1	....	....	....	....	1	....	....	....	1
Huron	8	11	3	....	5	3	12	5	....	5	3	2	4	1	....	....	1	....	....	1	1	1	1	....	....	....	4	1	....	....	1	....	....	....	3	1	....	....	....	....	....	2	....	....	....
Kent	9	8	3	....	5	14	5	....	5	3	2	2	2	3	....	....	....	....	....	2	....	3	....	....	....	....	3	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lambton	11	10	1	....	5	4	16	4	1	5	3	2	3	1	1	....	1	1	1	....	1	....	....	....	1	....	4	1	....	....	....	....	....	....	4	....	....	....	1	....	1	1	1	....	....
Lanark	8	7	2	....	5	....	13	4	1	5	....	5	2	....	3	....	....	....	....	....	1	1	2	....	1	....	5	....	....	....	2	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Leeds and Grenville	9	6	....	....	5	1	13	5	....	5	3	2	2	3	....	....	2	....	1	....	....	....	2	....	....	....	3	2	....	1	1	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Lennox and Addington	4	7	2	....	4	1	8	3	1	4	1	3	1	2	1	....	....	1	1	1	1	....	....	....	....	....	3	1	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Lincoln	7	9	....	1	7	2	12	6	1	7	4	3	2	3	2	....	....	....	2	1	1	3	....	....	....	....	4	3	....	2	....	....	....	....	2	....	1	....	....	....	1	....	....	....	....
Middlesex	6	19	3	....	8	8	14	8	....	8	5	3	3	5	....	....	....	....	1	4	2	1	....	....	....	....	7	1	....	....	....	1	....	....	8	5	....	....	....	....	....	2	1	....	....
Norfolk	10	10	4	....	6	....	15	5	1	6	3	3	3	1	2	....	1	....	....	2	....	2	1	....	....	....	4	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Northumberland	11	16	....	....	11	5	22	9	2	11	6	5	2	8	1	....	1	....	1	1	4	2	1	1	....	....	7	2	2	....	....	1	....	....	5	2	....	....	1	....	....	1	1	....	....
Ontario	8	4	2	....	2	....	10	2	....	2	2	....	1	....	1	....	....	....	1	....	1	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Oxford	1	4	1	....	3	....	4	3	....	3	....	3	1	2	....	....	....	1	....	....	1	....	....	....	1	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Peel	3	6	1	....	4	1	7	3	1	4	2	2	2	....	2	....	....	....	....	....	2	1	....	....	1	....	2	2	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Perth	3	5	1	....	3	1	6	2	1	3	3	....	1	1	1	....	1	....	....	....	1	....	1	....	....	....	3	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Peterborough	4	3	1	....	2	....	6	2	....	2	1	1	1	1	....	....	....	....	....	....	1	1	....	....	....	....	1	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....
Prescott	14	17	3	....	12	2	20	12	....	12	6	6	3	5	3	1	1	1	1	1	3	4	....	1	....	....	10	2	....	....	....	....	....	....	2	1	....	....	....	....	....	1	....	....	....
Prince Edward	2	6	2	....	3	1	5	3	....	3	2	1	2	1	....	....	....	....	2	....	....	1	....	....	....	....	3	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Renfrew	14	36	10	....	2	0	6 3	2 1	8	2 2	0 1	3 7	8	8	4	....	1	2	3	4	3	3	1	1	1	1	19	1	1	2	....	1	....	1	6	....	....	....	....	....	....	5	....	....	1
Russell	....	3	1	....	....	2	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	2
Simcoe	18	22	4	1	17	1	33	13	4	17	10	7	5	7	5	....	....	....	2	4	6	3	1	....	1	....	11	5	1	2	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....
Stormont	8	24	4	....	16	4	23	16	....	16	9	7	5	8	3	....	....	2	1	2	2	8	1	....	....	....	15	....	1	1	....	....	....	....	4	....	....	....	....	....	....	3	1	....	....
Victoria	10	9	....	....	8	1	15	7	1	8	3	5	2	4	2	....	....	....	....	3	2	1	1	1	....	....	6	2	....	2	1	1	....	....	1	....	....	....	....	....	1	....	....	....	....
Waterloo	2	10	3	....	6	1	7	6	....	6	3	3	2	3	1	....	1	....	1	....	1	2	....	1	....	....	6	....	....	1	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
Welland	3	7	1	....	5	1	5	4	1	5	4	1	1	1	3	....	....	....	2	1	1	....	1	....	....	....	5	....	....	3	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1
Wellington	6	10	....	....	6	4	12	4	2	6	3	3	2	2	2	....	1	....	....	1	2	1	1	....	....	....	6	....	....	....	....	....	....	....	4	1	....	....	....	....	....	1	....	....	2
Wentworth	3	5	....	....	4	1	7	4	....	4	3	1	1	2	1	....	....	1	....	1	1	....	....	....	....	1	2	1	1	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
York	30	17	3	....	14	....	40	13	1	14	10	4	5	6	3	....	1	....	2	2	5	3	....	....	1	....	10	4	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	278	426	77	2	275	74	522	243	32	275	160	115	94	122	57	2	22	19	29	40	66	52	20	11	11	5	227	40	8	26	7	10	1	2	74	16	1	2	2	1	6	32	6	1	7

SUMMARY FOR BLIND PENSIONS—1938-1939 (Fiscal)

	Pensioners March 31 1938	Granted Year ending Mar. 31, 1939 including Reinstatements and Transfers	Granted (new)	Reinstatements and Transfers;	Cancellations	Pensioners March 31 1939	Ineligible (new)
Counties	278	275	274	1	26	522	74
Cities	353	199	196	3	30	520	42
Towns	12	8	7	1	1	19	4
Districts	40	55	55	..	4	91	18
Other Provinces ..		2	..	2	..	2	..
	683	539	532	7	61	1,154	138

1937 - 1938 — 693 granted cases.
1938 - 1939 — 539 granted cases.

Decrease............154

Eligible	Ineligible	Cancellations	Reconsidered Increases	Reconsidered Reductions
539	138	61	19	18

Number of Cases dealt with during year ending March 31, 1939 — 775.

MOTHERS' ALLOWANCE COMMISSION — STATISTICAL REPORT, 1938 - 1939

	Applications Received	DECISIONS										No. on Pay-list March 31st, 1939	No. Cancelled 1st April, 1938, to March 31st, 1939	NUMBER OF FAMILIES WITH												No. Children under 16 Years	CANCELLATIONS						INELIGIBLE						
		Applications Granted	Renewals Granted	Reinstated	Ineligible and Deferred	Renewals Refused	Cancelled and Suspended	Continued	Increased	Reduced	Total			1 Child	2 Children	3 Children	4 Children	5 Children	6 Children	7 Children	8 Children	9 Children	10 Children	11 Children	Total		Re-Married	Income	Unsatisfactory	Man Not Permanently Unemployable	Other Reasons	Total	No. Child. under 16 yrs.	Re-Married	Income	Unsatisfactory	Man Not Permanently Unemployable	Other Reasons	Total
Widow	1316	831	191	150	311	161	1239	.....	.....	.....	2889	7668	1079	4218	2276	1146	621	274	124	58	23	6	1	....	8747	719	168	87	120	.....	145	1239	26	2	102	54	.....	291	475
Incapacitation	1121	603	177	105	597	292	443	.....	.....	.....	2217	3122	372	1141	917	611	354	240	116	69	32	7	6	1	3494	124	.....	32	23	197	67	443	25	....	28	18	686	132	889
Mental	112	62	4	21	24	18	78	.....	.....	.....	207	358	68	144	123	73	39	28	5	8	5	1	....	....	426	25	1	8	4	36	4	78	2	....	7	6	14	13	42
Desertion	373	60	22	18	231	95	137	.....	.....	.....	563	718	128	463	253	87	31	7	5	....	....	....	....	....	846	69	7	8	12	1	40	137	2	....	8	16	.....	300	326
F. M. Dead	130	82	7	4	41	2	89	.....	.....	.....	225	349	75	231	121	13	16	3	2	1	....	1	....	....	424	48	.....	.....	5	.....	36	89	....	....	1	2	.....	40	43
F. M. Incap.	55	22	2	4	11	1	20	.....	.....	.....	63	Included in Incap. Cases														1	.....	2	1	2	14	20	1	....	.....	1	6	7	15
F. M. Mental	7	2	..	....	2	....	2	.....	.....	.....	6	Included in Mental Cases														1	.....	.....	.....	.....	1	2	....	....	1	....	.....	1	2
F. M. Desertion	53	11	4	....	24	6	11	.....	.....	.....	56	Included in Desertion Cases														5	.....	.....	.....	.....	6	11	....	....	.....	....	.....	30	30
.....	.....	....	.....	.....	.....	.....	.....	1583	876	2355	4814	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	....	.....	....	.....	.....	.....
TOTAL	3497	1673	410	302	1247	575	2019	1583	876	2355	11010	12215	1722	6200	3693	1960	1061	552	252	136	60	15	7	1	13937	992	176	137	165	236	313	2019	56	2	147	97	706	814	1822

No. of Beneficiaries on pay list Mar. 31, 1938	11901		
No. of Beneficiaries on pay list Mar. 31, 1939	12215		
Increase during the fiscal year	314 or 2.64%		
No. of Beneficiaries on pay list Mar. 31, 1939	12215	No. of children	26874
No. of Beneficiaries on part of year but later cancelled	1722	No. of children	2756
Total	13937		29630

Average number of children per family 2.21

No. of families in—Cities—Active	6067	No. of children	12092
Cancelled	877	No. of children	1215
No. of families in—Towns—Active	194	No. of children	448
Cancelled	22	No. of children	50
No. of families in—Districts—Active	1184	No. of children	3035
Cancelled	165	No. of children	349
No. of families in—Counties—Active	4770	No. of children	11299
Cancelled	658	No. of children	1142
Total	13937		29630

Country of Birth	Active	Cancelled	Total
Canada	7822	1148	8970
British	2949	393	3342
Others Naturalized	1444	181	1625
TOTAL	12215	1722	13937
Percentage			
Canada	64.03%	66.67%	64.36%
British	24.15%	22.82%	23.98%
Others Nat.	11.82%	10.51%	11.66%
	100%	100%	100%

Cause of Death	Active	Canc.	Total
Tuberculosis	624	95	719
Cancer	765	122	887
Others	6279	862	7141
TOTAL	7668	1079	8747

Cause of Incap.	Active	Canc.	Total
Tuberculosis	722	100	822
Cancer	63	11	74
Mental	358	68	426
Epilepsy	55	6	61
Others	2282	255	2537
TOTAL	3480	440	3920

Annual Report

CHILDREN'S AID BRANCH OF THE PROVINCE OF ONTARIO

INVESTIGATION REPORT

Fiscal Period—April 1st, 1938 to March 31st, 1939

STATISTICS

Total No. of cases open at the beginning of the year	4540
No. of new cases	4780
No. of cases re-opened	1267
No. of cases closed	5414
Total No. of cases open at the end of the year	5173

FIELD WORK

No. of children involved in above investigated cases		18308
No. of visits re all cases		44293
No of office interviews re all cases		23981
No. of attendances on above cases:		
(a) Mental Health	457	
(b) Medical	631	
(c) Dental	142	
No. of court cases attended (Including all attendance on every case)		5137

FACTORS—(Count **all** factors involved in above cases)

Abuse or ill treatment	304
Death of only parent or guardian	109
Delinquency of child	1208
Desertion	407
Divorce	70
Drunkenness	765
Illness of parent or guardian	558
Imprisonment	158
Marital discord	928
Mental defect:	
Suspected	243
Diagnosed	283
Mental illness:	
Suspected	80
Diagnosed	134
Neglect:	
(a) Medical	187
(b) Moral	880
(c) Physical	993
Non support	644
One parent deceased	467
Personality problem	214
Separation of parents	1106
Sex offenses:	
(a) Adults with children	50
(b) Children with children	53
Specific disease	98
Truancy	108
Unwarranted complaint	251
Sundry	1307

NO. OF CHILDREN MADE WARDS: (Including children born out of wedlock)

Permanent		**Temporary**	
(a) New Commitments	476	(a) New Commitments	510
(b) From previous temporary wardship	190	(b) From previous temporary wardship	767

Annual Report

CHILDREN'S AID BRANCH OF THE PROVINCE OF ONTARIO

REPORT RE CHILDREN UNDER CARE

Fiscal Period—April 1st, 1938 to March 31st, 1939

STATISTICS

Total No. of children in care at first of year	10455
No. of children admitted to care during year	3410
No. of children discharged during year	3123
Total No. of children in care at end of year	10742

TYPE OF CARE

	End of Year			
	Wards	Other Societies' Wards	Non Wards	Total
Shelter	432	2	84	518
Boarding Home	3027	67	397	3491
Adoption Probation	404	113	1255	1772
Wage Home	960	172	45	1177
Free Home	2290	458	256	3004
Other Institutions:				
1. Placed for specific care under direct supervision	223	7	87	317
2. Mental Hospital	174	1	5	180
3. Correctional institution	251	6	26	283
TOTALS	7761	826	2155	10742

FIELD WORK

1. No. of visits re all children in care	66337
2. No. of office interviews re all children in care	29318
3. No. of attendances on children:	
(a) Mental Health	1736
(b) Medical	6894
(c) Dental	3093
4. No. of first placements of children	2510
5. No. of replacements of children (one home to another home)	1978
6. No. of children returned to the Shelter	867
7. No. of Foster Home Investigations .... 2696 involving 4328 visits.	
8. No. of replacements shelters to foster home	986
9. No. of visits in search of foster homes	906

INDUSTRIAL SCHOOLS

No. of investigations for Industrial Schools:	
(a) Before commitment	343
(b) Before parole	219

Statistical Report

THE CHILDREN OF UNMARRIED PARENTS' ACT

Comparative Report showing number of cases dealt with from July, 1921, to March 31st, 1939

1921	July 1st, 1921, to October 31st, 1921	102	cases
1921-1922	October 31st, 1921, to October 31st, 1922	672	“
1922-1923	October 31st, 1922, to October 31st, 1923	1,162	“
1923-1924	October 31st, 1923, to October 31st, 1924	1,205	“
1924-1925	October 31st, 1924, to October 31st, 1925	1,347	”
1925-1926	October 31st, 1925, to October 31st, 1926	1,705	”
1926-1927	October 31st, 1926, to October 31st, 1927	1,724	“
1927-1928	October 31st, 1927, to October 31st, 1928	1,865	”
1928-1929	October 31st, 1928, to October 31st, 1929	1,886	”
1929-1930	October 31st, 1929, to October 31st, 1930	2,180	”
1930-1931	October 31st, 1930, to October 31st, 1931	2,250	”
1931-1932	October 31st, 1931, to October 31st, 1932	2,148	“
1932-1933	October 31st, 1932, to October 31st, 1933	2,248	”
1933-1934	October 31st, 1933, to October 31st, 1934	1,954	”
1934-1935	October 31st, 1934, to March 31st, 1935	798	”
1935-1936	March 31st, 1935, to March 31st, 1936	2,166	”
1936-1937	March 31st, 1936, to March 31st, 1937	2,203	“
1937-1938	March 31st, 1937, to March 31st, 1938	2,401	”
1938-1939	March 31st, 1938, to March 31st, 1939	2,371	”
		32,387	cases

NEW CASES FOR THE YEAR

From April 1st, 1938, to March 31st, 1939 .... 2,371 cases
(Including 629 cases from Toronto District)

Of these	268	were pending.
Of these	454	have been settled.
Of these	1,649	have been closed.
Of the cases settled	343	were by agreements with the Provincial Officer.
Of the cases settled	104	by Court Orders.
Of the cases settled	7	by Private Agreements approved by the Judge.
Of the cases closed	756	no action desired.
Of the cases closed	7	were dismissed by the Court for lack of sufficient corroborative evidence.
Of the cases closed	303	were closed for lack of sufficient corroboration.
Of the cases closed	120	there was no data.
Of the cases closed	84	couples married.
Of the cases closed	84	man unknown.
Of the cases closed	174	man's whereabouts unknown.
Of the cases closed	48	man outside of Province.
Of the cases closed	19	man dead.
Of the cases closed	41	man worthless.
Of the cases closed	13	criminal action taken.

There were three appeals to the Appellate Division: all three taken by the father and all three dismissed.

There were	5	Varied Agreements.
There were	46	Varied Orders.
There were	56	Applications for orders on Agreements on which 55 Affiliation Orders were granted.
There were	128	Summons issued.

CHILDREN'S AID BRANCH

ADOPTION STATISTICS

April 1st, 1938 to March 31st, 1939

NUMBER OF ADOPTIONS BY MONTHS

April	1938	83
May	1938	182
June	1938	47
July	1938	26
August	1938	45
September	1938	69
October	1938	104
November	1938	109
December	1938	60
January	1939	65
February	1939	93
March	1939	103
TOTAL ADOPTIONS		986

AGES OF CHILDREN LEGALLY ADOPTED

April 1st, 1938 to March 31st, 1939

Born 1938 —	7	Born 1920 —	9
" 1937 —	15	" 1919 —	11
" 1936 —	178	" 1918 —	8
" 1935 —	220	" 1917 —	5
" 1934 —	114	" 1916 —	5
" 1933 —	67	" 1915 —	6
" 1932 —	69	" 1914 —	4
" 1931 —	54	" 1913 —	6
" 1930 —	30	" 1912 —	3
" 1929 —	30	" 1911 —	2
" 1928 —	29	" 1910 —	1
" 1927 —	15	" 1909 —	5
" 1926 —	20	" 1908 —	1
" 1925 —	24	" 1907 —	2
" 1924 —	13	" 1906 —	2
" 1923 —	10	" 1901 —	1
" 1922 —	11	" 1899 —	1
" 1921 —	8		
		Total	986

CLASSIFICATIONS

X Children's Aid Wards	233
Soldiers' Aid Commission Wards	1
Wards of Other Organizations	2
Children of Unmarried Parents	733
Abandoned Children, Foundlings	5
Orphaned Children	18
Children born out of wedlock before Unmarried Parents' Act of 1921	9
One Parent Living	101
Both Parents Living	101
Husband adopts wife's child (illegitimate)	26
Parents Divorced	38
Stepfather Adopts (legitimate)	57
Child Adopted Second Time	2
Child Over Twenty-One Years	32
Born out of wedlock, not under Ontario Unmarried Parents' Act	20
Married	2

X Many children are included in more than one of the above classifications.

SOLDIERS' AID COMMISSION — SERVICE

STATISTICAL REPORT

April 1st, 1938, to March 31st, 1939

Month	A Child Welfare	B No. 2 Account	C Hales Scott, McNab, Estates	D No. 8 Account	E Canteen Fund	F Employment Pension & Service	G Misc.	Total
1938								
April	31	170	12	12	53	41	76	395
May	8	164	12	7	57	31	112	391
June	8	109	11	5	47	38	132	350
July	11	91	6	7	56	19	114	304
August	9	133	6	15	48	20	85	316
September	17	116	8	7	107	24	140	419
October	17	148	13	7	79	19	128	411
November	14	261	26	8	76	17	171	573
December	18	198	13	16	75	16	159	495
1939								
January	12	146	6	8	83	42	157	454
February	10	135	9	10	68	28	146	406
March	10	177	5	17	73	19	204	505
	165	1,848	127	119	822	314	1,624	5,019

NOTE:—

A. Investigations and Service on account of Wards of the Commission.

B. Emergency assistance granted.

C. Emergency assistance from Trust Funds.

D. Kathleen Hammond Bequest Trust Fund, emergency assistance to pensioned widows of veterans.

E. Administration of Special Grants from Canteen Fund and cases submitted to that fund for consideration.

F. Information, Advice and Assistance in respect to Claims for Treatment and Pensions also Employment by veterans.

G. General Advice given on matters relating to Public and Private Welfare facilities for veterans or their dependents.

Number of Office Interviews	6,184
Number of Letters Received	5,802
Number of Letters Mailed	6,421

PLACEMENT OF WARDS

Number of Wards placed in Positions	6
Number of Wards placed in Boarding Homes	6
Number of Wards attaining the age of 21 years	13
Number of Wards Married	3
Number of Wards taken to Hospitals and Clinics	5
Number of Wards placed in other institutions	1

Total Number of Wards under Commission's care on April 1st, 1938	65
Net Total, March 31st, 1939	49

FINANCIAL ASSISTANCE GRANTED

April 1st, 1938 to March 31st, 1939

Month	No. 2 Account	Hales, Scott, McNab Estates	No. 8 Account	Canteen Fund	Outside Sources	Total
April	$ 778.70	$ 110.00	$ 131.00	$	$	$1,019.70
May	1,202.09	78.29	181.30		32.00	1,493.68
June	648.13	155.01	87.00	8.00		898.14
July	667.40	36.00	204.53	25.00		932.93
August	1,064.10	76.81	331.45			1,472.36
September	541.81	40.00	100.00			681.81
October	873.92	68.24	108.30	13.00	116.00	1,179.46
November	1,039.28	178.75	120.00	10.00		1,348.03
December	958.61	98.69	230.00			1,287.30
1939						
January	916.40	19.30	106.30		5.00	1,047.00
February	635.89	50.50	147.30		51.50	885.19
March	1,325.86	50.76	304.75		55.00	1,736.37
	$10,652.19	$ 962.35	$ 2,051.93	$ 56.00	$ 259.50	$13,981.97

ANALYSIS OF ASSISTANCE RENDERED FROM Nos. 2 ACCOUNT: KATHLEEN HAMMOND: HALES: SCOTT and McNAB ESTATES, also from OUTSIDE SOURCES, APRIL 1st, 1938, to MARCH 31st, 1939

Hospital, Medical and Surgical Supplies	80
Fuel (Emergency)	17
Men's, Women's and Children's Clothing	316
Special Diet and Emergency Grocery Orders	220
Bedding and Household Supplies	18
Transportation	50
Truck, Car and Chauffeur License, etc.	7
Glasses	459
Dentures	373
Layettes	6
School Supplies	12
Special Grants (Material, Supplies and Stock-in-Trade)	781

RECEIPTS—COUNTY HOUSES OF REFUGE, HOMES FOR AGED PERSONS—JANUARY 1, 1938, TO DECEMBER 31, 1938

Name	Location	Approximate Value of Buildings	Approximate Value of Contents	Approximate Value of Land	Number Acres	County	Farm, Garden, Stock, etc.	Interest, Donations Bequests, Loans, etc.	Municipalities	Paying Residents	Pensioners, Blind—O. A. P.	All Others	Net Loss	Total
Brant	Brantford	$ 120,000.00	$ 5,000.00	$ 20,000.00	45	$ 2,499.53	$ 543.24	$	$ 7,286.01	$	$ 5,040.00	$ 161.23	$1,818.07	$ 17,348.08
Bruce	Walkerton	50,000.00	5,500.00	6,000.00	74	6,856.54	640.60	599.00		200.00	5,446.72		77.65	13,820.51
Elgin	St. Thomas	30,000.00	8,000.00	5,000.00	100	6,204.08	1,637.77			100.00	1,302.58			9,244.43
Essex	Leamington	40,000.00	8,000.00	6,500.00	70	10,096.68	2,562.05	32.31	311.78	392.46	2,236.00	124.35		15,755.63
Grey	Markdale	65,000.00	6,000.00	2,000.00	100	4,368.48	1,871.09	1,671.21	2,544.24		3,276.90			13,731.92
Haldimand	Dunnville	35,000.00	11,500.00	7,000.00	100	5,863.80	1,439.45				2,563.00			9,866.25
Hastings	Belleville	70,000.00	8,000.00	5,000.00	73	15,273.45	2,554.31			638.78	7,061.43	1,773.11		27,301.08
Huron	Clinton	70,000.00	7,000.00	7,500.00	151	6,900.00	6,989.22			1,154.51	6,289.37			21,333.10
Kent	Chatham	75,000.00	10,000.00	5,000.00	50	10,882.89	141.06			100.00	5,667.80	80.50		16,872.25
Lambton	Sarnia	60,000.00	4,000.00	4,000.00	60	8,107.12	594.01			851.58	3,180.00			12,732.71
Lanark	Perth	50,000.00	6,000.00	3,000.00	70	361.21	1,206.87		12,532.00	230.37	5,118.61	14.10		19,463.16
Leeds & Grenville	Athens	65,000.00	5,000.00	5,000.00	100	4,696.63	519.97			1,630.00	1,360.00			8,206.60
Lincoln	St. Catharines	40,000.00	10,000.00	5,000.00	70	7,085.14	2,815.88	150.00	2,554.46	180.40	2,573.35			15,359.23
Middlesex	Strathroy	55,000.00	5,000.00	6,000.00	117	6,668.86	1,517.62			300.00	2,811.36	60.00		11,357.84
Norfolk	Simcoe	70,000.00	5,000.00	3,000.00	96	20,050.07	80.09				1,095.42			21,225.58
Northumberland & Durham	Cobourg	72,000.00	8,000.00	4,000.00	80	10,000.00	360.65	1,000.00		326.00	3,860.87		939.32	16,486.84
Ontario	Whitby	50,000.00	5,000.00	6,000.00	82	10,884.63	1,388.35			1,041.60	6,251.01	1,542.87		21,108.49
Oxford	Woodstock	35,000.00	7,000.00	7,000.00	100	4,292.01	4,076.97		1,853.28	565.33	3,929.06	24.95		14,741.60
Peel and Halton	Brampton	86,000.00	7,000.00	10,000.00	100	7,000.00	447.82			2,173.42	6,646.65	117.57		16,385.46
Perth	Stratford	50,000.00	4,000.00	5,000.00	53	6,269.27	390.03	221.71	1,026.68	704.30	3,536.58			12,148.57
Peterborough	Lakefield	30,000.00	2,000.00	5,000.00	96	3,203.87	605.02			218.35	2,350.38	79.30		6,456.92
Prescott & Russell	L'Original	40,000.00	14,000.00	4,000.00	100	8,534.59	947.22				5,164.32			14,646.13
Prince Edward	Picton	35,000.00	4,000.00	2,500.00	45	6,728.88	1,109.15	1,010.00		495.00	2,908.00			12,251.03
Simcoe	Beeton	60,000.00	7,500.00	10,000.00	200	10,379.58	2,056.87	636.63	1,096.00	809.80	5,016.67	87.25	1,214.47	21,297.27
Stormont, Dundas & Glengarry	Cornwall	49,000.00	10,000.00	5,000.00	140	18,629.27	4,539.27	114.50		269.00	5,380.00	614.73		29,546.77
Victoria	Lindsay	80,000.00	10,000.00	8,500.00	70	11,482.47	4,229.47	11,000.00	429.00	769.02	2,214.00	776.67	11.64	30,912.27
Waterloo	Kitchener	190,000.00	15,000.00	15,000.00	165	45,417.57	2,965.45		1,877.30	1,831.16	7,511.84	453.30	4,944.49	65,034.11
Welland	Welland	42,000.00	6,000.00	9,000.00	60	9,573.72	706.33	75.00	1,896.23	1,050.50	2,565.59			15,867.37
Wellington	Fergus	55,000.00	6,000.00	5,000.00	58	5,100.00	1,166.25		660.35	2,125.98	3,435.00		253.33	12,740.91
Wentworth	Dundas	40,000.00	5,000.00	14,000.00	188	6,961.08	2,200.00				4,800.00			13,961.08
York	Newmarket	150,000.00	10,000.00	13,000.00	130	12,516.21	1,239.10			1,439.43	6,926.70	102.08		22,223.52
		$1,959,000.00	$224,500.00	$213,000.00	2,943	$292,887.53	$53,541.18	$16,510.36	$34,067.33	$19,596.99	$130,552.24	$6,012.01	$9,258.97	$562,426.71

RECEIPTS—CITY AND DISTRICT HOUSES OF REFUGE OR HOMES FOR AGED PERSONS—JANUARY 1, 1938, TO DECEMBER 31, 1938

Name	Location	Counties	Farm Garden Stock, Etc.	Interest, Donations, Bequests, Loans, etc.	Municipalities	Paying Residents	Pensioners, Blind—O.A.P.	Provincial Government	All Others	Net Loss	Total
Home for the Aged	Belleville	$	$	$ 845.62	$ 1,075.00	$	$ 1,673.44	$ 340.30	$	$ 406.38	$ 4,340.74
Widows' Home	Brantford	....	....	7,328.83	....	755.00	2,120.00	215.30	17.00	....	10,436.13
Home for the Friendless	Chatham	....	....	....	3,965.51	111.36	893.00	491.10	....	....	5,460.97
St. Paul's Home	Cornwall	....	....	4,737.08	....	9,279.85	4,279.25	1,830.80	....	761.59	20,888.57
House of Providence	Dundas	356.40	....	4,368.83	1,666.66	9,124.43	8,364.26	3,490.30	7,410.74	6,108.35	40,889.97
The Elliott Home	Guelph	....	....	1,012.87	1,900.00	7,185.65	720.00	716.40	....	3,069.93	14,604.85
House of Providence	Guelph	1,745.40	6,420.90	20.00	1,098.45	1,254.11	3,329.14	771.50	2,760.33	2,203.76	19,603.59
Aged Women's Home	Hamilton	....	....	7,313.01	3,771.80	....	....	1,890.00	120.10	2,280.92	15,375.83
Home for the Aged and Infirm	Hamilton	....	....	....	35,896 43	1,375.44	10,447.94	5,722.00	....	....	53,441.81
House of Providence	Kingston	3,360.48	....	1,560.52	2,219.74	12,675.16	16,016.78	4,107.80	20,969.78	1,261.79	62,172.05
House of Refuge	Kingston	2,782.14	829.55	3,872.14	....	14.40	1,205.38	957.40	....	786.68	10,447.69
House of Providence	London	514.32	....	905.96	3,769.80	7,219.28	12,708.94	3,906.10	11,811.58	3,667.00	44,502.98
McCormick Home	London	....	....	3,840.91	6,510.60	6,730.13	9,196.60	1,927.40	....	3,421.04	31,626.68
Bronson Memorial	Ottawa	....	....	1,771.24	173.30	970.80	2,268.00	321.40	2,962.73	218.63	8,686.10
May Court Convalescent Home	Ottawa	....	....	4,068.81	217.20	1,495.90	....	163.90	....	....	5,945.81
Monastery of Our Lady of Charity	Ottawa	....	....	3,757.00	684.64	527.70	1,140.00	4,283.85	17,900.00	9,127.23	37,420.42
Protestant Home for the Aged	Ottawa	809.00	....	3,058.16	350.20	439.60	2,881.38	568.10	....	....	8,106.44
St. Charles' Hospice	Ottawa	....	....	907.92	14,634.12	25,319.93	26,064.82	8,264.40	18,255.16	6,700.06	100,146.41
St. Patrick's Home	Ottawa	....	1,095.86	547.20	866.22	4,791.83	6,500.70	2,468.70	3,357.04	....	19,627.55
Anson House	Peterborough	....	795.00	1,781.11	1,079.50	4,251.85	2,174.80	909.70	....	137.22	11,129.18
House of Providence	Peterborough	....	....	77.41	4,150.06	3,076.75	6,858.75	1,464.80	5,654.95	4,778.68	26,061.40
Thomas Williams Home	St. Thomas	....	....	2,622.86	....	1,296.49	2,276.90	386.00	718.08	....	7,300.33
Aged Men's Home	Toronto	....	....	4,032.93	1,639.50	5,969.78	8,536.00	1,014.14	79.17	....	21,271.52
Aged Women's Home	Toronto	....	....	2,193.61	2,849.50	17,726.15	13,380.00	1,916.29	192.54	....	38,258.09
Church Home for the Aged	Toronto	....	....	2,638.89	182.00	12,919.56	....	993.70	2,869.00	....	19,603.15
Good Shepherd Refuge	Toronto	....	....	....	782.50	390.00	....	5,931.80	43,872.23	9,000.00	59,976.53
The Haven	Toronto	....	....	694.11	1,554.75	3,930.20	....	1,574.30	11,804.00	935.73	20,493.09
House of Industry	Toronto	....	....	3,349.97	7,242.44	....	8,270.91	4,148.40	....	....	23,011.72
House of Providence	Toronto	....	2,203.66	3,589.96	20,999.60	20,657.66	28,306.83	12,523.80	31,974.00	11,834.66	132,090.17
Independent Order of Odd Fellows	Toronto	....	40.00	5,797.59	....	....	2,993.00	888.20	24,972.10	....	34,690.89
Industrial Refuge	Toronto	....	....	1,019.33	9,695.50	360.00	648.00	1,996.59	17,310.79	1,635.88	32,666.09
Jewish Old Folks' Home	Toronto	....	....	9,863.39	2,043.50	4,709.26	5,811.38	2,847.50	12,160.78	4,968.52	42,404.33
Julia Greenshields Home	Toronto	....	....	4,950.61	....	8,097.14	....	599.50	197.86	515.68	14,360.79
St. Mary's Rest Home	Toronto	....	....	....	....	6,412.11	2,160.00	546.00	175.61	356.00	9,649.72
Salvation Army Aged Men's Home	Toronto	....	....	257.80	....	1,976.34	4,080.00	246.30	635.90	1,828.73	9,025.07
Salvation Army Rescue Home	Toronto	....	....	1,950.00	....	4,809.09	....	1,095.05	2,325.25	3,320.62	13,500.01
Good Shepherd Refuge	Windsor	....	....	3,205.41	....	....	....	1,161.45	15,039.83	1,660.00	21,066.69
The "Homestead"	Windsor	....	....	378,28	2,658.34	....	1,122.00	1,995.60	....	199.93	6,354.15
		$ 9,567.74	$11,384.97	$98,319.36	$133,676.86	$185,852.95	$196,428.20	$84,675.87	$255,546.55	$81,185.01	$1,056,637.51

DISTRICT REFUGES

Name	Location	Counties	Farm Garden Stock, Etc.	Interest, Donations, Bequests, Loans, etc.	Municipalities	Paying Residents	Pensioners, Blind—O.A.P.	Provincial Government	All Others	Net Loss	Total
Algoma District Refuge	Sault Ste. Marie	$16,288.94	$ 38.00	....	$ 1,080.00	$ 404.00	$ 6,460.59	$ 3,022.40	$ 15.50	....	$ 27,309.43
Nipissing District Refuge	North Bay	7,123.21	148.73	....	....	....	1,570.16	2,380.20	975.83	1,337.98	13,536.11
Parry Sound District Refuge	Powassan	5,267.24	149.31	....	....	979.80	2,724.52	1,265.20	....	....	10,386.07
		$28,679.39	$ 335.94	....	$ 1,080.00	$ 1,383.80	$ 10,755.27	$ 6,667.80	$ 991.33	$ 1,337.98	$ 51,231.61

CITY AND DISTRICT STATISTICS—HOMES FOR AGED PERSONS, HOUSES OF REFUGE—JANUARY 1, 1938, TO DECEMBER 31, 1938

Name	Location	Number Residents, Jan. 1st, 1938	Number of Admissions	Total Admissions Including Jan. 1st	Number Discharged 1938	Number Deaths	Number Residents on Dec. 31, 1938	Average Number Residents for 1938	Number Residents, 1938 Male	Number Residents, 1938 Female	Number Residents, 1938 Total	Number Paying Residents	Number Paid for by Municipalities	Number Free Residents
Home for the Aged	Belleville	14	6	20	1	2	17	18	13	7	20	0	12	0
Widows' Home	Brantford	15	3	18	3	1	14	15	0	18	18	4	0	1
Home for the Friendless	Chatham	18	12	30	9	0	21	19	23	7	30	0	0	24
St. Paul's Home	Cornwall	66	64	130	30	11	89	76	78	52	130	17	1	77
House of Providence	Dundas	135	56	191	51	14	126	130	89	102	191	48	3	88
The Elliott Home	Guelph	23	6	29	4	1	24	22	6	23	29	29	0	0
House of Providence	Guelph	39	12	51	6	6	39	36	35	16	51	7	17	4
Aged Women's Home	Hamilton	52	4	56	0	4	52	51	0	56	56	0	0	55
Home for Aged and Infirm	Hamilton	208	60	268	33	27	208	203	181	87	268	5	0	201
House of Providence	Kingston	184	148	332	121	18	193	189	189	143	332	45	20	165
House of Refuge	Kingston	33	23	56	19	3	34	32	34	22	56	2	16	33
House of Providence	London	159	82	241	56	19	166	166	100	141	241	67	21	76
McCormick Home for the Aged	London	95	39	134	39	7	88	91	54	80	134	25	42	1
Bronson Memorial	Ottawa	19	5	24	3	1	20	20	0	24	24	2	1	9
May Court Convalescent Home	Ottawa	8	124	132	125	0	7	8	0	132	132	66	45	20
Monastery of Our Lady of Charity	Ottawa	141	43	184	97	0	87	116	0	184	184	4	25	145
Protestant Home for the Aged	Ottawa	27	15	42	13	1	28	28	42	0	42	3	6	14
St. Charles' Hospice	Ottawa	307	147	454	73	69	312	299	242	212	454	75	129	54
St. Patrick's Home	Ottawa	104	51	155	24	15	116	105	88	67	155	8	5	107
The Anson House	Peterborough	36	41	77	40	1	36	35	13	64	77	42	6	2
House of Providence	Peterborough	68	36	104	27	7	70	68	55	49	104	14	1	42
Thomas Williams Home	St. Thomas	22	4	26	1	4	21	21	13	13	26	6	0	8
Aged Men's Home	Toronto	61	12	73	4	10	59	60	73	0	73	26	7	0
Aged Women's Home	Toronto	123	25	148	12	16	120	120	0	148	148	58	17	0
Church Home for the Aged	Toronto	41	15	56	11	4	41	42	0	56	56	32	1	1
The Good Shepherd Industrial Refuge	Toronto	165	60	225	62	0	163	168	0	225	225	2	8	215
The Haven	Toronto	50	64	114	57	0	57	49	0	114	114	0	0	114
Toronto House of Industry	Toronto	156	84	240	72	9	159	154	174	66	240	10	181	0
House of Providence	Toronto	505	618	1,123	558	41	524	501	824	299	1,123	139	291	442
Ontario Odd Fellows' Home	Toronto	51	8	59	13	1	45	54	45	14	59	0	0	32
Toronto Industrial Refuge	Toronto	55	70	125	64	0	61	66	0	125	125	3	108	11
Jewish Old Folks' Home	Toronto	104	30	134	4	31	99	100	62	72	134	22	0	64
Julia Greenshield's Home	Toronto	28	8	36	2	5	29	27	0	36	36	35	0	1
St. Mary's Rest Home	Toronto	34	50	84	43	4	37	33	0	84	84	30	31	14
Salvation Army Rescue Home	Toronto	30	590	620	584	0	36	35	46	574	620	0	310	310
Salvation Army Aged Men's Home	Toronto	33	42	75	20	10	45	34	75	0	75	13	2	12
The "Homestead"	Windsor	26	22	48	20	1	27	27	21	27	48	0	0	40
Our Lady of Charity Refuge	Windsor	32	22	54	20	0	34	33	0	54	54	0	0	54
		3,267	2,701	5,968	2,321	343	3,304	3,251	2,575	3,393	5,968	839	1,306	2,436

DISTRICT REFUGES

Name	Location	Number Residents, Jan. 1st, 1938	Number of Admissions	Total Admissions Including Jan. 1st	Number Discharged 1938	Number Deaths	Number Residents on Dec. 31, 1938	Average Number Residents for 1938	Number Residents, 1938 Male	Number Residents, 1938 Female	Number Residents, 1938 Total	Number Paying Residents	Number Paid for by Municipalities	Number Free Residents
Algoma District Refuge	Sault Ste. Marie	104	21	125	5	20	100	101	102	23	125	1	5	84
Parry Sound District Refuge	Powassan	31	13	44	3	4	37	34	36	8	44	2	2	27
Nipissing District Refuge	North Bay	47	11	58	15	7	36	41	48	10	58	1	3	35
		182	45	227	23	31	173	176	186	41	227	4	10	146

CITY AND DISTRICT STATISTICS—HOMES FOR AGED PERSONS, HOUSES OF REFUGE—JAN. 1, 1938, TO DEC. 31, 1938—*Continued*

Name	Location	Number Pensioners	Number Beds in Dormitory	Number Beds Made Up	Number Protestants	Number Catholics	Other Religions or Not Known	Canadian	English	Irish	Scots	United States	All Others	Average Cost per Resident per Diem
Home for the Aged	Belleville	8	17	17	18	2	0	12	7	0	1	0	0	$ .66
Widows' Home	Brantford	13	16	15	18	0	0	11	2	1	4	0	0	1.91
Home for the Friendless	Chatham	6	46	37	25	4	1	26	0	0	0	0	4	.79
St. Paul's Home	Cornwall	35	100	90	7	123	0	58	9	22	35	0	6	.76
House of Providence	Dundas	52	170	145	87	104	0	159	8	16	1	4	3	.89
The Elliott Home	Guelph	0	29	29	29	0	0	26	3	0	0	0	0	1.82
House of Providence	Guelph	23	43	42	8	43	0	48	1	1	0	0	1	1.49
Aged Women's Home	Hamilton	1	52	52	56	0	0	21	24	2	8	1	0	.83
Home for Aged and Infirm	Hamilton	62	220	220	221	46	1	155	59	6	19	6	23	.72
House of Providence	Kingston	102	220	200	82	249	1	259	25	25	11	5	7	.90
House of Refuge	Kingston	5	50	40	47	9	0	5	21	15	10	0	5	.90
House of Providence	London	77	200	195	2	239	0	222	7	6	3	0	3	.75
McCormick Home for the Aged	London	66	100	100	132	1	1	88	30	3	11	1	1	.95
Bronson Memorial	Ottawa	12	32	20	24	0	0	21	2	1	0	0	0	1.19
May Court Convalescent Home	Ottawa	1	18	18	84	47	1	99	25	1	3	3	1	2.04
Monastery of Our Lady of Charity	Ottawa	10	90	87	1	183	0	173	5	6	0	0	0	.90
Protestant Home for the Aged	Ottawa	19	44	44	42	0	0	23	11	6	1	0	1	.79
St. Charles' Hospice	Ottawa	196	403	395	10	444	0	446	1	0	0	3	4	.92
St. Patrick's Home	Ottawa	35	116	116	0	155	0	127	11	11	1	2	3	.51
The Anson House	Peterborough	27	45	42	77	0	0	46	29	1	1	0	0	.87
House of Providence	Peterborough	47	74	74	2	102	0	95	3	2	0	1	3	1.07
Thomas Williams Home	St. Thomas	12	28	26	26	0	0	9	14	0	2	1	0	.95
Aged Men's Home	Toronto	40	61	61	72	0	1	25	32	6	8	1	1	.97
Aged Women's Home	Toronto	73	125	120	148	0	0	76	50	7	9	3	3	.88
Church Home for the Aged	Toronto	22	42	42	56	0	0	31	21	1	2	0	1	1.31
The Good Shepherd Industrial Refuge	Toronto	0	180	175	0	225	0	225	0	0	0	0	0	.98
The Haven	Toronto	0	58	58	98	16	0	106	3	0	2	0	3	1.15
Toronto House of Industry	Toronto	49	178	168	208	32	0	112	87	16	11	1	13	.41
House of Providence	Toronto	251	545	545	291	827	5	781	134	97	53	7	51	.72
Ontario Odd Fellows' Home	Toronto	27	70	50	59	0	0	52	5	1	1	0	0	1.77
Toronto Industrial Refuge	Toronto	3	90	61	124	0	1	90	24	4	2	1	4	1.27
Jewish Old Folks' Home	Toronto	48	115	105	0	0	134	0	0	0	0	0	134	1.17
Julia Greenshield's Home	Toronto	0	30	30	36	0	0	25	7	1	2	1	0	1.46
St. Mary's Rest Home	Toronto	9	37	37	79	0	5	75	4	0	2	2	1	.80
Salvation Army Rescue Home	Toronto	0	36	36	538	75	7	512	28	7	20	20	33	1.06
Salvation Army Aged Men's Home	Toronto	48	48	46	72	2	1	29	27	3	11	3	2	.73
The "Homestead"	Windsor	8	29	29	40	8	0	39	1	3	1	1	3	.47
Our Lady of Charity Refuge	Windsor	0	40	40	1	53	0	54	0	0	0	0	0	1.75
		1,387	3,797	3,607	2,820	2,989	159	4,361	720	271	235	67	314	$1.04

DISTRICT REFUGES

Name	Location	Number Pensioners	Number Beds in Dormitory	Number Beds Made Up	Number Protestants	Number Catholics	Other Religions or Not Known	Canadian	English	Irish	Scots	United States	All Others	Average Cost per Resident per Diem
Algoma District Refuge	Sault Ste. Marie	35	101	101	63	53	9	70	12	9	8	1	25	$ .74
Parry Sound District Refuge	Powassan	13	37	37	36	8	0	37	3	2	2	0	3	.84
Nipissing District Refuge	North Bay	14	50	45	35	20	3	30	10	8	7	0	3	.91
		62	188	183	134	81	12	137	25	19	17	1	31	.83

DISBURSEMENTS—CITY AND DISTRICT HOUSES OF REFUGE, HOMES FOR AGED PERSONS—JANUARY 1, 1938, TO DECEMBER 31, 1938

Name	Location	Buildings and Repairs	Clothing, Shoes, etc.	Farm-Garden Supplies, Equipment, etc.	Farm, Feed, Stock, etc.	Food and Provisions	Fuel and Heating	Funeral Expenses—Residents	House Furnishings, Bedding, Laundry, etc.	Insurance Prepaid or Unexpired	Interest, Mortgages, Overdrafts, etc.	Light and Power	Physician's Salary
Home of the Aged	Belleville	$ 820.05	$ 55.36	$ 15.10		$ 859.22	$ 374.83	$ 208.50	$ 518.69	$ 60.00		$ 63.15	
Widows' Home	Brantford	372.04				711.86	374.06		130.95	34.20		117.01	
Home for the Friendless	Chatham	154.10	295.86	19.70	48.30	1,638.28	563.19		60.72			158.74	300.00
St. Paul's Home	Cornwall	1,610.32	228.32			5,317.45	537.51	4.05	908.12	134.90		60.00	
House of Providence	Dundas	1,747.35	810.17			15,628.71	2,068.86		1,911.21	658.26		1,547.68	354.25
The Elliott Home	Guelph	400.76		36.40		4,017.76	453.27		1,462.62	188.77		371.11	
House of Providence	Guelph	223.29	131.86	1,500.00	1,619.71	3,651.76	653.48		678.93	351.44		156.83	
Aged Women's Home	Hamilton	1,046.33		5.30		3,883.53	1,219.14	90.00	281.61	859.95	.75	482.41	
Home for Aged and Infirm	Hamilton	1,951.93	393.90	68.27		15,781.81	4,468.20		1,124.56	631.04	5,534.74	1,198.78	
House of Providence	Kingston	3,717.43	1,149.48	1,036.20		20,940.02	4,949.67	844.00	4,191.18	477.88		1,012.72	
House of Refuge	Kingston	323.59	669.49	142.83	257.90	3,533.13	1,100.59	140.00	241.95	214.93		141.71	160.00
House of Providence	London	1,546.83	858.21		715.45	18,158.46	3,042.43		1,892.53			383.60	116.80
McCormick Home for Aged	London	1,409.34	154.81	39.87		7,034.53	2,335.52	158.50	341.58	703.69		617.71	300.00
Bronson Memorial	Ottawa	369.07	163.81	17.80		2,227.65	1,084.05		172.88	245.13		125.18	
May Court Club Convalescent Home	Ottawa	331.35				1,412.68	612.01		368.24			160.00	
Monastery of Our Lady of Charity	Ottawa	3,259.84	689.45	31.15	34.05	8,899.87	4,669.62	132.00	2,902.77	824.10	165.09	1,408.22	200.00
Protestant Home for the Aged	Ottawa	137.22	22.52			1,808.66	930.08	66.00	40.22	78.87		192.21	
St. Charles' Hospice	Ottawa	2,953.37	907.20			32,444.29	3,905.59	4.00	2,498.20	1,092.40	9,708.55	1,977.40	300.00
St. Patrick's Home	Ottawa	1,432.92	222.71	1,028.85	1,095.86	3,943.25	2,246.74		614.00	180.12		769.63	
Anson House	Peterborough	609.19	13.77	329.59		2,979.33	891.37		311.62	228.30		378.56	
House of Providence	Peterborough	393.52	186.59	12.85		6,240.60	1,779.47	75.00	630.82	138.45		224.45	
Thomas Williams' Home	St. Thomas	210.50	103.22	20.32		1,725.75	512.11	266.00	426.73	134.35		221.55	300.00
Aged Men's Home	Toronto	1,192.22	5.55			7,416.15	563.40		1,396.59	159.25		883.88	
Aged Women's Home	Toronto	1,720.80	26.69			12,591.23	1,332.22		3,658.14	374.00		1,470.40	
Church Home for the Aged	Toronto	1,253.23	74.94			5,744.16	1,362.13		1,535.26	223.95	660.00	618.06	98.20
Good Shepherd Refuge	Toronto	2,929.74	3,929.71	275.00		16,136.53	3,737.61		4,202.40	176.36		1,121.07	
The Haven	Toronto	4,328.40	481.93			2,788.36	897.03		1,262.64	147.22		310.98	200.00
House of Industry	Toronto	1,327.72	125.00			7,689.35	945.05		1,322.60	215.50		524.85	200.00
House of Providence	Toronto	3,965.01	4,580.17			51,204.03	10,232.82		4,119.26			388.71	600.00
I.O.O.F. Home	Toronto	503.30	704.88	39.70		9,848.08	1,449.60		1,217.70	444.00		458.52	400.00
Industrial Refuge	Toronto	1,398.31	887.04			6,112.85	2,538.27		2,668.58	689.30		1,716.18	325.00
Jewish Old Folks Home	Toronto	1,651.91	65.63			12,261.67	1,822.50	259.97	6,006.76	171.00	1,001.14	464.62	120.00
Julia Greenshield Home	Toronto	1,044.98				3,822.31	836.76		727.51	308.50		276.12	
St. Mary's Convalescent Home	Toronto	201.33				3,386.82	679.25		350.00	48.93	363.16	416.24	
Salvation Army Aged Men's Home	Toronto	600.00		6.82		2,993.57	766.07		1,084.02				
Salvation Army Rescue Home	Toronto	2,910.00				3,062.31	811.00		839.80	46.55		300.41	
Good Shepherd Refuge	Windsor	1,974.85	563.20			3,127.11	909.04		1,134.13	52.15	1,585.00	551.98	
The Homestead	Windsor	89.87	9.23			2,499.03	512.45		121.58			135.29	
		$52,112.01	$18,510.70	$ 4,625.75	$ 3,771.27	$313,552.16	$68,166.99	$2,248.02	$53,357.10	$10,293.49	$19,018.43	$21,405.76	$ 3,974.25

DISTRICT REFUGES

Name	Location	Buildings and Repairs	Clothing, Shoes, etc.	Farm-Garden Supplies, Equipment, etc.	Farm, Feed, Stock, etc.	Food and Provisions	Fuel and Heating	Funeral Expenses—Residents	House Furnishings, Bedding, Laundry, etc.	Insurance Prepaid or Unexpired	Interest, Mortgages, Overdrafts, etc.	Light and Power	Physician's Salary
Algoma District Refuge	Sault Ste. Marie	$ 907.52	$ 539.45	$ 594.00	$ 700.33	$ 7,008.22	$ 1,454.81	$ 488.70	$ 1,160.20	$ 302.04	$ 201.66	$ 643.15	$ 600.00
Nipissing District Refuge	North Bay	741.93	235.46	200.00	148.98	3,330.41	1,092.64	252.00	716.12	320.75	6.30	562.85	236.00
Parry Sound District Refuge	Powassan	653.10	246.07	250.00	254.27	3,089.52	558.05	230.00	306.97	111.43	136.99	274.02	300.00
		$ 2,302.55	$ 1,020.98	$ 1,044.00	$ 1,103.58	$ 13,428.15	$ 3,105.50	$ 970.70	$ 2,183.29	$ 734.22	$ 344.95	$ 1,480.02	$ 1,136.00

DISBURSEMENTS — CITY AND DISTRICT HOUSES OF REFUGE, HOMES FOR AGED PERSONS — JAN. 1, 1938, TO DEC. 31, 1938 — *Cont.*

Name	Location	Dentist, Drugs, Spirits, Surgical or Medical Supplies	Pension Refunds	Salaries—Superintendent and (or) Matron	Stationery, Office Supplies, etc.	Taxes	Telephone, Telegraph, Freight, etc.	Wages—All Employees, Board of Management	Water and Ice	All Others	Depreciation—Plant, Building Equipment, Uncollectable Accounts	Profit	Total
Home of the Aged	Belleville	$ 23.53	$ 262.67	$ 600.00	$	$ 53.31	$ 50.06	$ 292.25	$ 37.43	$ 46.59	$	$	$ 4,340.74
Widows' Home	Brantford	80.08	338.00	600.00	5.80	38.20	40.70	302.80		125.59		7,164.84	10,436.13
Home for the Friendless	Chatham	103.49	104.00	1,200.00	38.75			610.00		165.84			5,460.97
St. Paul's Home	Cornwall	134.70		800.00	30.60	36.15	56.65	2,797.01		103.21	8,129.58		20,888.57
House of Providence	Dundas	433.84			172.91		140.81	7,258.00	853.94	183.98	7,120.00		40,889.97
The Elliott Home	Guelph	17.15		900.00	33.30		65.94	2,841.25	32.40	84.27	3,699.85		14,604.85
House of Providence	Guelph	88.50	287.14		20.00	173.00	58.01	1,671.53	56.50	4,834.11	3,447.50		19,603.59
Aged Women's Home	Hamilton	37.55		840.00	36.89		84.77	3,822.45	224.50	338.65	2,122.00		15,375.83
Home for Aged and Infirm	Hamilton	330.25	1,130.59	1,500.00	35.20		104.44	17,982.45	1,043.34	162.64			53,441.81
House of Providence	Kingston	1,079.85	986.53	9,000.00	421.68	469.61	220.20	4,168.75	219.51	4,515.50		2,771.84	62,172.05
House of Refuge	Kingston	87.43		1,100.00	25.31	34.28	49.56	1,124.00	86.81	556.39	457.79		10,447.69
House of Providence	London	368.02	40.00	10,000.00	34.36	119.58	110.40	6,393.28	462.16	260.87			44,502.98
McCormick Home for Aged	London	206.20		1,500.00	94.66	99.15	97.90	10,421.73	378.69	465.09	5,267.71		31,626.68
Bronson Memorial	Ottawa	115.24		1,140.00	129.05	187.17	81.00	1,210.00		325.07	1,093.00		8,686.10
May Court Club Convalescent Home	Ottawa	83.94		1,200.00		52.31	120.62	1,521.50	50.09	33.07			5,945.81
Monastery of Our Lady of Charity	Ottawa	3,376.67		4,000.00	14.92	27.42	188.17	7,640.60	956.48				37,420.42
Protestant Home for the Aged	Ottawa	16.34	272.70	1,500.00	152.97	266.20	86.15	990.72	33.00	83.23		1,429.35	8,106.44
St. Charles' Hospice	Ottawa	214.32	127.83	18,600.00	190.45		204.52	7,677.55	1,489.10	1,154.64	14,697.00		100,146.41
St. Patrick's Home	Ottawa	50.26	840.16	2,400.00	147.87	200.00	48.32	950.68	274.58	673.40		2,508.20	19,627.55
Anson House	Peterborough	35.81		840.00	37.06		61.20	2,766.65	183.88	532.85	930.00		11,129.18
House of Providence	Peterborough	413.43		5,000.00	84.11		154.28	2,713.75	195.56	874.92	6,943.60		26,061.40
Thomas Williams' Home	St. Thomas	126.27		1,180.00	19.61	44.60	54.75	859,00	137.85	142.30		815.42	7,300.33
Aged Men's Home	Toronto	95.86		1,080.00	77.25		136.55	7,936.42	269.81	43.36		15.23	21,271.52
Aged Women's Home	Toronto	244.64		1,200.00	141.52		161.91	14,147.86	655.96	43.50		489.22	38,258.09
Church Home for the Aged	Toronto	57.83		600.00	74.63		103.61	5,843.60	164.22	1,151.39		7.94	19,603.15
Good Shepherd Refuge	Toronto	3,076.50		10,000.00	276.20		90.50	1,200.00	993.60	2,831.31	9,000.00		59,976.53
The Haven	Toronto	76.77		1,500.00	108.23		316.18	6,407.03	154.43	1,513.89			20,493.09
House of Industry	Toronto	79.24		2,500.00	159.56		55.20	4,038.89	383.13	497.66		2,897.97	23,011.72
House of Providence	Toronto	1,219.65		14,735.00	437.22		239.83	20,399.76	1,606.72	3,710.43	14,651.56		132,090.17
I.O.O.F. Home	Toronto	679.20		1,800.00	91.15			6,820.10	300.01	280.14	7,574.70	2,079.81	34,690.89
Industrial Refuge	Toronto	207.93		1,080.00	231.61		250.02	10,964.45	601.75	2,994.80			32,666.09
Jewish Old Folks Home	Toronto	1,221.08		2,080.00	1,467.24	590.98	250.00	10,453.58	320.85	2,195.40			42,404.33
Julia Greenshield Home	Toronto	71.47		1,080.00	87.92	216.52	88.34	4,520.50	79.14	750.87	449.85		14,360.79
St. Mary's Convalescent Home	Toronto	20.00		900.00	40.00		109.06	2,223.25	114.06	444.44		353.18	9,649.72
Salvation Army Aged Men's Home	Toronto	7.24		900.00	14.58		150.49	1,474.63	16.18	896.32	115.15		9,025.07
Salvation Army Rescue Home	Toronto	29.46		600.00	111.45		221.24	3,825.75	30.62	682.54	28.88		13,500.01
Good Shepherd Refuge	Windsor	112.90				146.80		2,952.50	177.42	1,520.26	6,259.55		21,066.69
The Homestead	Windsor	70.65		480.00			59.40	485.84	103.28	14.50		1,773.03	6,354.15
		$12,693.29	$4,389.62	104,435.00	$5,044.06	$2,755.78	$4,310.78	$189,759.78	$12,687.00	$33,974.64	$91,987.72	$23,564.41	$1,056,637.51

DISTRICT REFUGES

Name	Location	Dentist, Drugs, Spirits, Surgical or Medical Supplies	Pension Refunds	Salaries—Superintendent and (or) Matron	Stationery, Office Supplies, etc.	Taxes	Telephone, Telegraph, Freight, etc.	Wages—All Employees, Board of Management	Water and Ice	All Others	Depreciation—Plant, Building Equipment, Uncollectable Accounts	Profit	Total
Algoma District Refuge	Sault Ste. Marie	$ 375.39	$1,066.00	$ 1,440.00	$ 38.87	$ 197.68	$ 71.84	$ 5,577.00	$	$ 1,158.17	$ 1,184.40	$ 1,600.00	$ 27,309.43
Nipissing District Refuge	North Bay	253.20	125.00	1,200.00	23.82	40.02	65.53	1,686.05	285.23	218.85	1,794.97		13,536.11
Parry Sound District Refuge	Powassan	221.80	500.90	1,200.00	94.44		41.10	1,065.58		58.25		793.58	10,386.07
		$ 850.39	$1,691.90	$ 3,840.00	$ 157.13	$ 237.70	$ 178.47	$ 8,328.63	$ 285.23	$ 1,435.27	$ 2,979.37	$ 2,393.58	$ 51,231.61

DISBURSEMENTS — COUNTY HOUSES OF REFUGE, HOMES FOR AGED PERSONS — JANUARY 1, 1938 TO DECEMBER 31, 1938

Name	Location	Buildings and Repairs	Clothing, Shoes, Etc.	Farm-Garden Supplies, Equipment, Etc.	Farm, Feed, Stock, Etc.	Food and Provisions	Fuel and Heating	Funeral Expenses, Residents	House Furnishings, Bedding, Laundry, Etc.	Insurance Prepaid or Unexpired	Interest, Mortgages, Overdrafts, Etc.	Light and Power	Physicians' Salary
Brant	Brantford	$ 2,404.75	$ 296.38	$ 439.91	$ 176.00	$ 3,821.87	$ 859.37	$	$ 1,216.94	$ 477.83	$	$ 200.00	$ 300.00
Bruce	Walkerton	1,627.89	606.73	248.53	601.94	3,269.37	1,909.31	195.68	661.08	336.00		316.10	200.00
Elgin	St. Thomas	2,281.33	351.05	803.61	307.59	1,441.12	1,009.40		200.72			161.28	270 00
Essex	Leamington	1,186.01	445.85	1,812.94	100.00	3,669.47	1,098.30	80.00	2,294.09			165.36	200.00
Grey	Markdale	2,041.26	161.43	125.98	870.15	3,730.11	891.03	461.08	905.35	920.00		225.00	300.00
Haldimand	Dunnville	1,750.77	381.32	605.31	867.14	1,815.44	649.41	220.00	570.28	235.50		197.76	200.00
Hastings	Belleville	7,506.20	648.01	122.48	619.85	5,999.68	1,481.06	218.20	823.01	216.19		153.43	400.00
Huron	Clinton	1,060.62	519.86	1,509.21	4,563.63	5,215.64	1,145.19	552.50	550 55	657.02	19.00	502.21	360.00
Kent	Chatham	1,309.04	474.75	199.62	725.33	4,484.70	1,688.11		1,073.17	1,416.21		183.20	400.00
Lambton	Sarnia	1,478.60	580.83	400.00	565.36	3,374.30	1,052.69	6.00	361.44			122.89	300.00
Lanark	Perth	1,474.50	1,031.97	1,001.00	1,002.01	5,686.46	2,400.24	132.00	871.65	171.71		400.00	400.00
Leeds and Grenville	Athens	526.08	339.55	1,065.99	139.50	1,549.76	1,301.84	74.00	410.93			147.71	225.00
Lincoln	St. Catharines	1,086.60	615.55	869.89	1,542.01	2,653.06	992.65		679.80	268.48		399.05	180.00
Middlesex	Strathroy	563.76	427.23	972.60	520.72	3,204.22	969.76		260.95			235.17	200.00
Norfolk	Simcoe	8,594.93	964.99	600.00	446.24	4,246.37	1,341.47	296.47	1,068.85	1,012.05		211.66	300.00
Northumberland and Durham	Cobourg	1,656.96	1,297.71	126.82	200.00	4,731.68	1,503.79	60.00	322.66	216.91		1,105.61	400.00
Ontario	Whitby	910.11	863.33	900.00	1,003.54	7,800.63	1,123.50	345.50	2,246.05			244.72	300.00
Oxford	Woodstock	1,690.06	236.93	800.00	803.67	3,735.07	1,108.00	220.00	625.72	500.00		408.50	400.00
Peel and Halton	Brampton	1,995.65	954.22	311.62	1,456.83	3,174.79	1,425.69	265.00	165.20	643.50		289.31	400.00
Perth	Stratford	1,520.44	1,067.74	127.46	452.65	1,824.73	1,197.93	284.89	416.31	285.80		230.00	200.00
Peterborough	Lakefield	692.94	155.60	208.00	208.49	1,248.54	679.91	146.00	43.81			205.01	200.00
Prescott and Russell	L'Original	129.41	634.82	735 94	2,447.08	2,079.45	2,138.04	126.00	525.30			356.32	200.00
Prince Edward	Picton	2,232.22	144.39	705.52	839.85	1,964.71	895.60	174.25	481.75	55.00		254.74	350 00
Simcoe	Beeton	1,291.22	743.05	693.50	1,323.89	6,275.78	2,394.55	290.00	504.48		146.00	617 54	175.00
Stormont, Dundas and Glengarry	Cornwall	4,415.78	1,602.84	6,283.76		5,458.39	1,610.62	138.00	2,858.81				200.00
Victoria	Lindsay	4,398.75	582.52	898.20	1,234.84	5,663.22	2,354.04	99.00	519.37	1,006.82	309.82	388.63	270.00
Waterloo	Kitchener	5,734.43	1,007.90	3,650.45	4,351.05	28,887.82	2,336.09	60.00	121.45			1,144.22	600.00
Welland	Welland	709.31	836.80	312.12	1,102.72	4,689.59	2,251.86		1,391.03	29.73		380.12	180.00
Wellington	Fergus	249.71	413.39	1,166.25	763.66	2,479.77	1,057.34	50.00	82.20	498.29		843.66	250.00
Wentworth	Dundas	1,071.75	448.68	589.72	1,489.36	3,472.28	682.24	306.00				191 00	300.00
York	Newmarket	3,828.72	364.59	750.00	706.14	3,833.96	2,309.57		501.95	658.42	55.14	574.74	500.00
		$67,419.54	$19,200.01	$29,036.43	$31,431.24	$141,481.98	$43,858.60	$4,700.57	$22,694.90	$ 9,605.46	$ 529.96	$10,854.94	$ 9,160.00

DISBURSEMENTS—COUNTY HOUSES OF REFUGE, HOMES FOR AGED PERSONS—JANUARY 1, 1938 TO DECEMBER 31, 1938—*Continued*

Name	Location	Dentist, Drugs, Spirits, Surgical or Medical Supplies	Pension Refunds	Salaries—Superintendent and (or) Matron	Stationery, Office Supplies, Etc.	Taxes	Telephone, Telegraph, Freight, Etc.	Wages—All Employees, Board of Management, Etc.	Water and Ice	All Others	Profit	Total
Brant	Brantford	$ 270.00	$	$ 1,780.00	$ 37.75	$	$	$ 3,232.90	$	$ 200.00	$ 1,634.38	$ 17,348.08
Bruce	Walkerton	212.85	258.00	1,250.00	46.31	125.00	78.91	1,677.80		199.01		13,820.51
Elgin	St. Thomas	33.38		1,670.00				413.50		301.45		9,244.43
Essex	Leamington	291.42	254.00	1,375.00	44.41		93.68	2,645.10				15,755.63
Grey	Markdale	242.34	20.65	1,193.40	33.43		76.89	1,415.10	118.72			13,731.92
Haldimand	Dunnville	322.86		600.00	19.02		48.23	1,157.50	75.00	150.71		9,866.25
Hastings	Belleville	154.57	717.00	1,800.00				2,753.90	356.45	3,331.05	71.10	27,301.08
Huron	Clinton	201.69	623.10	1,400.00	159.10	33.15	91.53	2,098.00				21,333.10
Kent	Chatham	528.71	752.38	1,250.04			46.60	2,025.05	315.34			16,872.25
Lambton	Sarnia	1,248.73		1,202.40	42.85	77.71	59.12	1,718.65	101.99	39.15		12,732.71
Lanark	Perth	304.05		1,548.00				2,515.36	118.78	405.43		19,463.16
Leeds and Grenville	Athens	244.51		1,050.00			17.88	1,032.50		81.35		8,206.60
Lincoln	St. Catharines	282.93	1.94	1,300.00	26.75	131.00	164.14	2,836.57	119.50	1,209.31		15,359.23
Middlesex	Strathroy	85.50		1,400.00				2,104.49		413.44		11,357.84
Norfolk	Simcoe	353.55	410.00	1,200.00	33.14		54.96	2,788.10		302.80		24,225.58
Northumberland and Durham	Cobourg	269.62	239.13	1,604.00				2,694.90		57.05		16,486.84
Ontario	Whitby	466.13	626.82	1,378.34	55.76	162.00	101.74	2,315.88	208.19	56.25	469.50	21,108.49
Oxford	Woodstock	61.47	178.00	1,100.00	100.66		77.00	1,907.11	119.00	200.91	601.42	14,741.60
Peel and Halton	Brampton	97.26	544.08	1,680.00	38.61	145.30	82.88	1,373.00	289.79	511.31		16,385.46
Perth	Stratford	231.46		1,000.00	27.06	13.91	66.05	639.95	207.66	2,454.53		12,148.57
Peterborough	Lakefield	128.01	228.00	840.00			63.09	1,088.87	35.14	285.51		6,456.92
Perscott and Russell	L'Original	150.29		2,700.00	44.25		10.30	2,277.20		91.93		14,646.13
Prince Edward	Picton	40.38	43.40	1,300.00			56.11	1,529.53	860.00	323.58		12,251.03
Simcoe	Beeton	347.11	734.94	2,815.00	131.07	72.93	146.23	1,407.15	342.00	846.03		21,297.27
Stormont, Dundas and Glengarry	Cornwall		444.00	1,890.00				3,310.19	400.00	934.38		29,546.77
Victoria	Lindsay	139.12		1,260.00	24.40		203.70	1,231.20	328.64	10,000.00		30,912.27
Waterloo	Kitchener	1,249.50	987.00	2,400.00	147.15	558.60	566.71	10,693.20	538.54			65,034.11
Welland	Welland	221.17		1,000.00	60.15		155.66	2,203.43	112.48	231.20		15,867.37
Wellington	Fergus	206.59	44.35	1,450.00			120.49	1,573.16		1,492.05		12,740.90
Wentworth	Dundas	100.00	300.00	1,200.00			78.00	2,740.50	191.55	800.00		13,961.08
York	Newmarket	858.96		1,900.00	89.89		156.83	3,755.30		1,379.31		22,223.52
		$ 9,344.16	$ 7,406.79	$45,536.18	$ 1,161.76	$ 1,319.60	$ 2,616.73	$71,155.09	$ 4,838.77	$26,297.54	$ 2,776.40	$ 562,426.71

COUNTY STATISTICS — HOUSES OF REFUGE, OR HOMES FOR AGED PERSONS — JANUARY 1, 1938, TO DECEMBER 31, 1938

Name	Location	Number Residents, Jan. 1st, 1938	Number of Admissions	Total Admissions Including Jan. 1st	Number Discharged 1938	Number Deaths	Number Residents in Dec. 31, 1938	Average Number Residents for 1938	Number Residents, 1938			Number Paying Residents	Number Paid for by Municipalities	Number Free Residents
									Male	Female	Total			
Brant	Brantford	80	17	97	10	12	75	75	67	30	97	0	0	74
Bruce	Walkerton	51	14	65	8	6	51	51	42	23	65	3	0	44
Elgin	St. Thomas	29	16	45	15	3	27	29	32	13	45	1	0	36
Essex	Leamington	70	13	83	9	9	83	68	66	17	83	1	1	69
Grey	Markdale	76	14	90	6	8	76	78	45	45	90	0	0	79
Haldimand	Dunnville	45	10	55	6	4	45	42	33	22	55	1	0	40
Hastings	Belleville	91	12	103	5	14	84	88	67	36	103	5	0	66
Huron	Clinton	93	17	110	8	12	90	93	65	45	110	10	0	71
Kent	Chatham	88	29	117	18	11	88	75	84	33	117	0	0	94
Lambton	Sarnia	57	14	71	1	7	63	57	53	18	71	2	0	54
Lanark	Perth	89	32	121	20	11	90	95	75	46	121	2	57	32
Leeds and Grenville	Athens	37	17	54	10	4	40	40	36	18	54	2	5	41
Lincoln	St. Catharines	60	23	83	14	1	68	71	58	25	83	8	0	61
Middlesex	Strathroy	71	21	92	11	8	73	74	68	24	92	2	0	71
Norfolk	Simcoe	62	17	79	7	6	66	69	57	22	79	0	0	62
Northumberland and Durham	Cobourg	86	27	113	16	11	86	84	61	52	113	1	0	90
Ontario	Whitby	88	41	129	14	10	105	91	94	35	129	10	0	89
Oxford	Woodstock	74	21	95	15	12	68	70	63	32	95	3	0	71
Peel and Halton	Brampton	102	36	138	28	10	100	99	78	60	138	8	0	91
Perth	Stratford	64	33	97	7	14	76	70	66	31	97	4	1	67
Peterborough	Lakefield	19	4	23	2	4	17	18	19	4	23	1	0	10
Prescott and Russell	L'Original	63	17	80	11	6	63	63	40	40	80	0	0	60
Prince Edward	Picton	48	13	61	2	7	52	45	35	26	61	3	0	44
Simcoe	Beeton	107	31	138	20	11	107	99	115	23	138	12	0	97
Stormont, Dundas and Glengarry	Cornwall	84	26	110	17	9	84	93	72	38	110	0	0	81
Victoria	Lindsay	61	9	70	3	3	64	62	44	26	70	2	6	50
Waterloo	Kitchener	164	32	196	18	9	169	168	137	59	196	7	0	147
Welland	Welland	65	22	87	16	3	68	60	72	15	87	5	17	51
Wellington	Fergus	63	24	87	10	7	70	68	38	49	87	9	3	61
Wentworth	Dundas	56	16	72	9	7	56	60	50	22	72	0	0	46
York	Newmarket	85	20	105	8	7	90	83	78	27	105	3	0	64
		2,228	628	2,866	344	256	2,294	2,238	1,910	956	2,866	105	90	2,013

COUNTY STATISTICS—HOUSES OF REFUGE, OR HOMES FOR AGED PERSONS—JAN. 1, 1938, TO DEC. 31, 1938—*Continued*

Name	Location	Number Pensioners	Number Beds in Dormitory	Number Beds Made Up	Number Protestants	Number Catholics	Other Religions or Not Known	Canadian	English	Irish	Scots	United States	All Others	Average Cost per Resident per Diem
Brant	Brantford	23	90	75	80	17	0	48	39	0	1	3	6	$ .64
Bruce	Walkerton	18	65	51	55	10	0	51	4	5	3	0	2	.73
Elgin	St. Thomas	8	50	40	44	1	0	42	3	0	0	0	0	.88
Essex	Leamington	12	84	79	55	24	4	56	12	2	0	5	8	.64
Grey	Markdale	11	82	79	79	2	9	68	11	3	5	1	2	.48
Haldimand	Dunnville	14	45	45	52	2	1	50	4	0	0	0	1	.65
Hastings	Belleville	32	100	95	93	10	0	99	3	0	1	0	0	.99
Huron	Clinton	29	100	92	85	4	1	100	7	0	0	2	1	.63
Kent	Chatham	23	100	88	93	24	0	69	34	0	2	4	8	.62
Lambton	Sarnia	15	60	63	61	7	3	59	6	2	0	0	4	.61
Lanark	Perth	30	114	95	91	30	0	100	9	1	6	1	4	.56
Leeds and Grenville	Athens	6	60	40	47	7	0	38	8	5	2	0	1	.56
Lincoln	St. Catharines	14	70	69	73	10	0	52	16	7	3	0	5	.60
Middlesex	Strathroy	19	125	84	92	0	0	65	22	2	0	3	0	.42
Norfolk	Simcoe	17	66	66	77	2	0	73	0	3	1	1	1	.70
Northumberland and Durham	Cobourg	22	90	86	108	5	0	98	9	4	0	0	2	.54
Ontario	Whitby	30	115	110	118	8	3	92	20	1	5	1	10	.64
Oxford	Woodstock	21	70	74	93	2	0	60	27	1	2	3	2	.59
Peel and Halton	Brampton	39	100	102	128	7	3	73	41	2	6	4	12	.43
Perth	Stratford	25	70	76	91	5	1	77	11	1	1	2	5	.48
Peterborough	Lakefield	12	45	30	20	3	0	0	20	1	2	0	0	.99
Prescott and Russell	L'Original	20	66	63	2	78	0	80	0	0	0	0	0	.64
Prince Edward	Picton	14	45	45	61	0	0	58	3	0	0	0	0	.75
Simcoe	Beeton	29	110	107	130	8	0	80	21	15	21	0	1	.59
Stormont, Dundas and Glengarry	Cornwall	29	100	91	73	37	0	104	3	1	0	0	2	.89
Victoria	Lindsay	12	90	69	67	2	1	60	9	0	0	0	1	.86
Waterloo	Kitchener	42	182	176	147	40	9	148	21	3	6	1	17	1.00
Welland	Welland	14	70	65	66	13	8	35	16	4	10	5	17	.72
Wellington	Fergus	14	65	75	81	6	0	71	7	4	0	2	3	.52
Wentworth	Dundas	26	65	60	65	7	0	35	34	0	0	0	3	.64
York	Newmarket	38	106	90	91	6	8	69	28	3	2	2	1	.74
		655	2,600	2,380	2,360	372	51	2,110	448	70	79	40	119	.66

ORPHANAGES

RESIDENTS

Name of Orphanage	Location	No. of Beds	Number of Residents on January 1, 1938	Number Admitted During Year	Total Number Under Lodgement During Year	Total Number Discharged During Year	Number of Deaths During Year	Number Remaining in December 31, 1938
St. Joseph's Orphanage	Cobourg	35	22	16	38	7		31
Nazareth Orphanage	Cornwall	70	48	72	120	52		68
St. Joseph's Orphanage	Fort William	140	99	49	148	33		115
Boys' Home	Hamilton	60	42	16	58	18		40
Girls' Home	Hamilton	50	46	12	58	10		48
Home of the Friendless and Infants' Home	Hamilton	120	88	131	219	142	1	76
St. Mary's Orphan Asylum	Hamilton	140	122	83	205	91		114
Salvation Army Rescue Home	Hamilton	32	23	133	156	130		26
St. Joseph's Orphanage	Hearst	79	95	57	152	88		64
Home of Friendless Women and Infants	Kingston	40	33	36	69	41		28
Orphans' Home and Widows' Friend Society	Kingston	20	17	32	49	27		22
St. Mary's of the Lake Orphanage	Kingston	120	55	63	118	47	5	66
Kitchener Orphanage	Waterloo	30	20	16	36	16		20
Mount St. Joseph Orphanage	London	150	98	38	136	48		88
Protestant Orphans' Home	London	55	46	15	61	18		43
Ronald Roy Gray Memorial Home	London	35	24	13	37	16		21
Salvation Army Rescue Home	London	25	28	100	128	96		32
Agnes Stroud Home	Ottawa	43	21	115	136	117		19
Protestant Children's Village	Ottawa	50	32	77	109	72		37
St. Joseph's Orphanage	Ottawa	263	276	176	452	206		246
St. Mary's Home	Ottawa	50	38	112	150	109	4	37
St. Patrick's Home	Ottawa							
Salvation Army Rescue Home	Ottawa	60	35	152	187	144		43
St. Vincent's Orphanage	Peterborough	35	14	12	26	10		16
Loyal True Blue and Orange Home	Richmond Hill	200	110	34	144	35		109
St. Agatha Orphans' Home	St. Agatha	86	59	49	108	35		73
Protestant Orphans' Home	St. Catharines	30	14	3	17	5		12
D'Youville Orphanage	Sudbury	56	55	26	81	27		54
Boys' Home	Toronto	55	39	22	61	20		41
Catholic Welfare Bureau	Toronto	612	533	229	762	149	1	612

Carmelite Orphanage	Toronto	58	39	14	53	12		41
Humewood House	Toronto	19	19	61	80	60		20
Infants' Home and Infirmary	Toronto	275	307	548	855	578	2	275
Jewish Children's Bureau	Toronto	111	107	90	197	86		111
Ontario Oddfellows' Home	Toronto	40	16		16	11		5
Pentecostal Bethel Home	Toronto	15	10	49	59	47	1	11
Protestant Children's Home	Toronto	205	201	300	501	296		205
St. Mary's Infants' Home	Toronto	50	28	135	163	124	5	34
Sacred Heart Orphanage	Toronto	85	44	20	64	23		41
Salvation Army Children's Home	Toronto	40	44	15	59	19		40
Victor Home for Women	Toronto	20	26	63	89	69		20
Working Boys' Home	Toronto	48	39	81	120	82		38
		3,707	3,012	3,265	6,277	3,216	19	3,042

ORPHANAGES
RECEIPTS

Name of Orphanage	Location	Receipts from Paying Residents	Receipts from Municipalities for Indigent Residents	Grants from Municipalities, Federal Government, Etc.	Provincial Grant	Receipts, Investments, Endowments, Donations, Etc.	Total Receipts
St. Joseph's Orphanage	Cobourg	$ 122.82	$ 96.00	$ 1,440.00	$ 434.10	$ 4,207.00	$ 6,299.92
Nazareth Orphanage	Cornwall	2,782.25			1,158.75	7,413.42	11,354.42
St. Joseph's Orphanage	Fort William	4,353.96	750.00	9,778.40	1,689.55	7,616.73	24,188.64
Boys' Home	Hamilton		3,322.44		868.00	3,553.06	7,743.50
Girls' Home	Hamilton	943.00		3,466.25	889.05	5,247.89	10,546.19
Home of the Friendless and Infants' Home	Hamilton	75.00	831.78	11,376.00	1,983.05	4,368.67	18,634.50
St. Mary's Orphan Asylum	Hamilton	4,223.00		7,360.46	2,392.20	13,945.50	27.921.16
Salvation Army Rescue Home	Hamilton		100.00	7,380.13	945.30	3,348.72	11,774.15
St. Joseph's Orphanage	Hearst	5,085.43			1,518.35	1,033.45	7,637.23
Home of Friendless Women and Infants	Kingston	1,072.35		1,300.00	784.35	668.53	3,825.23
Orphans' Home and Widows' Friend Society	Kingston	310.00		151.10	389.65	6,925.49	7,776.24
St. Mary's of the Lake Orphanage	Kingston	1,798.55		4,045.35	1,136.60	27,052.22	34,032.72
Kitchener Orphanage	Waterloo			250.00	387.50	14,641.12	15,278.62
Mount St. Joseph Orphanage	London	1,080.00	3,425.25	2,400.00	1,862.40	19,330.08	28,097.73
Protestant Orphans' Home	London	1,752.60	1,200.00		842.75	7,761.48	11,556.83
Ronald Roy Gray Memorial Home	London			2,306.12	490.15	918.38	3,714.65
Salvation Army Rescue Home	London		433.35	7,050.05	1,086.55	5,070.78	13,640.73
Agnes Stroud Home	Ottawa	210.00		216.00	819.35	1,586.42	2,831.77
Protestant Children's Village	Ottawa	1,530.85		1,442.60	548.85	16,025.38	19,547.68
St. Joseph's Orphanage	Ottawa	7,374.77		12,462.57	4,856.35	11,325.68	36,019.37
St. Mary's Home	Ottawa	700.25	95.50		1,245.60	6,543.00	8,584.35
St. Patrick's Home	Ottawa						
Salvation Army Rescue Home	Ottawa		610.30	2,198.22	1,238.85	2,014.73	6,062.10
St. Vincent's Orphanage	Peterborough	436.16		200.00	236.70	4,519.12	5,391.98
Loyal True Blue and Orange Home	Richmond Hill	1,749.00			1,997.00	28,761.31	32,507.31
St. Agatha Orphans' Home	St. Agatha	923.00		1,000.00	1,109.30	6,854.78	9,887.08
Protestant Orphans' Home	St. Catharines	1,067.00			144,85	6,318.48	7,530.33
D'Youville Orphanage	Sudbury	2,218.50			956.50	2,734.55	5,909.55
Boys' Home	Toronto	3,029.78		776.30	813.90	56,752.96	61,372.94
Catholic Welfare Bureau	Toronto	5,599.03		11,739.35	9,562.70	9,067.91	35,968.99

Carmelite Orphanage	Toronto	861.00		7,743.22	823.10	5,883.25	15,310.57
Humewood House	Toronto	1,133.37			614.60	6,707.62	8,455.59
Infants' Home and Infirmary	Toronto	14,308.10	31,187.67	14,021.60	6,154.55	55,446.76	121,118.68
Jewish Children's Bureau	Toronto	2,461.20	4,475.36	10,193.62	2,365.70	18,564.48	38,060.36
Ontario Oddfellows' Home	Toronto				222.10	7,704.98	7,927.08
Pentecostal Bethel Home	Toronto	1,719.78			323.50	961.60	3,004.88
Protestant Children's Home	Toronto	13,345.58		15,073.59	4,216.40	34,146.34	66,781.91
St. Mary's Orphans' Home	Toronto	180.90	1,623.35	11,250.00	895.00	28.00	13,977.25
Sacred Heart Orphanage	Toronto	621.94			884.60	9,345.20	10,851.74
Salvation Army Children's Home	Toronto	2,502.90			928.30	1,081.00	4,512.20
Victor Home for Women	Toronto	335.50			720.25	3,227.28	4,283.03
Working Boys' Home	Toronto	7,184.55		500.00	1,282.20	2,487.81	11,454.56
		$93,092.12	$48,151.00	$147,120.93	$61,818.55	$431,191.16	$781,373.76

ORPHANAGES
COST OF MAINTENANCE

Name of Orphanage	Location	Total Collective Days Stay of Residents	Total Cost of Dietaries	Other Maintenance Cost	Total Maintenance Cost	Average Cost of each Resident Per Day
St. Joseph's Orphanage	Cobourg	9,402	$ 1,243.71	$ 5,696.86	$ 6,940.57	$ .74
Nazareth Orphanage	Cornwall	22,190	3,964.30	8,452.67	12,416.97	.56
St. Joseph's Orphanage	Fort William	33,867	5,512.79	18,675.89	24,188.68	.71
Boys' Home	Hamilton	16,435	4,027.08	1,828.88	5,855.96	.36
Girls' Home	Hamilton	17,289	3,499.42	7,161.70	10,661.12	.62
Home of the Friendless and Infants' Home	Hamilton	29,967	5,697.68	12,936.82	18,634.50	.62
St. Mary's Orphan Asylum	Hamilton	42,064	12,782.75	29,209.85	41,992.60	1.00
Salvation Army Rescue Home	Hamilton	12,514	3,222.50	11,097.59	14,320.09	1.14
St. Joseph's Orphanage	Hearst	26,585	4,240.78	6,718.44	10,959.22	.41
Home of Friendless Women and Infants	Kingston	10,691	1,336.22	2,530.99	3,867.21	.36
Orphans' Home and Widows' Friend Society	Kingston	7,078	776.12	7,000.12	7,776.24	1.10
St. Mary's of the Lake Orphanage	Kingston	23,897	7,710.07	29,624.88	37,334.95	1.56
Kitchener Orphanage	Waterloo	8,814	1,079.59	3,629.39	4,708.98	.53
Mount St. Joseph Orphanage	London	33,175	7,092.62	29,216.15	36,308.77	1.09
Protestant Orphans' Home	London	16,233	2,447.31	9,109.52	11,556.83	.71
Ronald Roy Gray Memorial Home	London	8,473	2,883.25	4,997.02	7,880.27	.93
Salvation Army Rescue Home	London	13,876	3,399.87	15,954.68	19,354.55	1.39
Agnes Stroud Home	Ottawa	10,652	2,251.35	6,288.52	8,539.87	.80
Protestant Children's Village	Ottawa	11,608	2,554.89	16,992.79	19,547.68	1.68
St. Joseph's Orphanage	Ottawa	92,988	15,105.56	28,550.29	43,655.85	.47
St. Mary's Home	Ottawa	16,057	2,995.85	5,599.29	8,595.14	.54
St. Patrick's Home	Ottawa	....	....	....	....	....
Salvation Army Rescue Home	Ottawa	15,471	1,815.27	6,894.61	8,709.88	.56
St. Vincent's Orphanage	Peterborough	5,062	1,059.75	5,102.85	6,162.60	1.22
Loyal True Blue and Orange Home	Richmond Hill	39,567	5,763.46	26,744.07	32,507.53	.82
St. Agatha Orphans' Home	St. Agatha	25,767	1,378.04	9,979.45	11,357.49	.44
Protestant Orphans' Home	St. Catharines	4,665	1,156.56	6,373.77	7,530.33	1.61
D'Youville Orphanage	Sudbury	20,729	1,882.90	4,026.65	5,909.55	.29
Boys' Home	Toronto	15,452	3,478.35	57,894.59	61,372.94	3,97
Catholic Welfare Bureau	Toronto	146,922	23,009.27	12,959.72	35,968.99	.24

Carmelite Orphanage	Toronto	15,366	3,063.64	12,246.93	15,310.57	1.00
Humewood House	Toronto	7,776	1,885.13	6,570.46	8,455.59	1.09
Infants' Home and Infirmary	Toronto	109,705	693.45	120,425.23	121,118.68	1.10
Jewish Children's Bureau	Toronto	41,572	11,624.02	9,133.14	20,757.16	.50
Ontario Oddfellows' Home	Toronto	3,816	1,372.20	8,826.34	10,198.54	2.67
Pentecostal Bethel Home	Toronto	3,392	1,067.32	2,255.84	3,323.16	.98
Protestant Children's Home	Toronto	76,841	469.14	66,508.88	66,978.02	.87
St. Mary's Infants' Home	Toronto	5,517	4,126.18	9,851.07	13,977.25	2.53
Sacred Heart Orphanage	Toronto	16,435	4,088.61	7,265.52	11,354.13	.69
Salvation Army Children's Home	Toronto	15,433	3,340.32	5,751.28	9,091.60	.59
Victor Home for Women	Toronto	7,571	1,514.79	3,747.35	5,262.14	.70
Working Boys' Home	Toronto	13,505	4,078.74	7,504.69	11,583.43	.86
		1,054,419	$170,690.85	$651,334.78	$822,025.63	.98

THIRTEENTH REPORT

OF THE

LIQUOR CONTROL BOARD

OF

ONTARIO

From April 1st, 1938 to March 31st, 1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 20, 1940

ONTARIO

TORONTO
Printed and Published by
T. E. Bowman, Printer to the King's Most Excellent Majesty
1940

Toronto, January 12th, 1940.

To the Honourable Albert Matthews,

Lieutenant-Governor of the Province of Ontario.

May it Please Your Honor:

The undersigned has the honour to transmit to Your Honour the Thirteenth Report of the Liquor Control Board of Ontario for the year ended 31st March, 1939.

Respectfully submitted,

M. F. Hepburn,

Prime Minister and President of the Council.

INDEX

PAGE

Authorities for the Sale of Beer and Wine.............. 10, 11, 24 to 37

Breweries .... 7, 8, 20 and 21

Brewers' Warehouses .... 8, 19 and 20

Druggists .... 11 and 12

Employees 16

Financial Statement .... 5, 6, 14, 15 and 16

Hotels 11

Payments to Municipalities 11

Permits 11, 12

Permits and Licenses issued 22

Sales .... 6, 7, 8, 10 and 15

Stores .... 7, 17 and 18

Summary by Municipalities of number of Authorities, and Standard Hotel Licenses issued, cancelled, etc......... 24 to 37

Wineries .... 9, 10, 21 and 22

Liquor Control Board
of Ontario

454 University Avenue,
Toronto 2, Ontario,
January 4th, 1940.

To The Honourable Mitchell F. Hepburn,
Prime Minister and Provincial Treasurer of Ontario,
Parliament Buildings, Toronto 5, Ontario.

Sir:—

I have the honour to submit herewith the Thirteenth Report of the Liquor Control Board of Ontario for the twelve months' fiscal period which ended the 31st of March, 1939.

Financial Statement

The Balance Sheet, certified to by Messrs. Brokenshire, Scarff & Co., Chartered Accountants, shows the amount of fixed assets to be $125,115.30. This amount represents the value of the Board's real estate, consisting of the land and buildings situated at 154 Wellington St. W., Toronto, and 201 Victoria Ave., Fort William, occupied as warehouses, and, the value of all furniture, equipment and alterations in the various premises occupied by the Board, less depreciation, which, since the commencement of operations in June, 1927, has been provided to an extent of $991,828.10.

Other assets totalled $2,543,468.34, being comprised of the following items:—

Cash on hand and in transit from branch banks	$ 179,250.69
Accounts Receivable—hospital charge sales, beer levies, duty recoverable items, freight claims, fines, etc	172,535.30
Inventories of liquors and supplies	2,181,229.31
Prepaid items	10,453.04

Liabilities amounted to $2,621,385.07 as follows:—

Accounts Payable—for liquors and supplies, accrued charges, etc	$2,612,193.53
Due Provincial Treasurer—for permit sales and confiscated stock	9,191.54

Sales of permits during the twelve months amounted to a net figure of $553,137.68, which with the amount unpaid from the previous year of $33,995.62, and an advance sale of 1939-40 Permits of $1,126.65 net, totalled $588,259.95, of which $585,000.00 was remitted to the Provincial Treasurer, in accordance with the requirements of the Liquor Control Act of Ontario, Section 18 (2).

The item of $5,931.59 represents a balance due to the Provincial Treasurer for forfeited liquor, after the amount of $5,000.00 had been remitted to the Provincial Treasurer, this liquor having been purchased by the Board after careful examination, and in accordance with the provisions of Section 132 (2) of the Act.

Contingent liabilities amounted to $997,887.55. These items comprise the value of undelivered orders and, also, the amount of customs or excise duties which will have to be paid on the goods which were in bond on our premises March 31st, when the same are cleared. These items are not chargeable against, nor do they affect the operations of the Board for the period under review.

The Profit and Loss Account shows sales for the twelve months from Liquor Control Board stores of $22,420,060.59.

The same account shows a gross trading profit of $8,184,896.85 with total expenses including depreciation and items written off, of $1,861,755.20 which resulted in a net trading profit of $6,323,141.65. This latter sum, together with other revenue which amounted to $3,252,879.39, resulted in a total profit of $9,576,021.04, which is carried to the Surplus Account.

For the purpose of comparison, the percentage that the cost of stock sold, miscellaneous earnings and expenses and other revenue bear to the sales are given for the fiscal year of 1938 and the twelve months' period herewith reported upon.

The Surplus Account shows a balance at the commencement of the period of $879,333.75, this being the amount of accumulated profits from previous years' operations which had not been transferred to the Provincial Treasurer. Added to this is the twelve months' profit of $9,576,021.04, which, together with $1,843.78 representing sundry adjustments, resulted in an amount of $10,457,198.57. From this sum, $10,410,000.00 was remitted to the Provincial Treasurer. The total payments to the Provincial Treasurer during the twelve months were, therefore:—

On Account of Profits	$10,410,000.00
On Account of Permits	585,000.00
On Account of Forfeited Liquor	5,000.00
	$11,000,000.00

Besides the Balance Sheet, Profit and Loss Account, and the Surplus Account, statements showing Summary of Sales (Schedule 1) and the Expenses of Administration and Operation (Schedule II) for the twelve months are also attached. Individual percentages which these expenses bear to the total sales are given for the twelve months and also for the preceding fiscal period, on the expense statement. On March 31st, 1939, the staff comprised 873 employees, 44 of these being part-time or seasonally employed as against 809 permanent and 39 temporary employed one year previously.

In addition, all Liquor Board stores, brewers' warehouses, breweries and wineries privileged to sell alcoholic beverages in Ontario, as of March 31st, 1939, are set forth on Schedule III; a classification of permits and licenses issued appears on Schedule IV, and a summary of Authorities, Standard Hotel Licenses and Light Beer Permits issued, cancelled, suspended, surrendered and reinstated during the year, with the number operative on March 31st, is set forth on Schedule V.

SALES

The sale of spirits, beer and wine from liquor stores during the twelve months amounted to $22,420,060.59. The net value of beer sold from breweries and brewers' warehouses, i.e., exclusive of any charge for containers, totalled $25,192,225.40. Sales of native wines made direct to customers from Licensed native wine sale offices, and, where permitted, from the winery premises, amounted to $2,025,700.27.

The following comparative sales statistics are given for the fiscal year under review and also for the preceding twelve months:—

VALUE

	Twelve Months ending March 31, 1938	Twelve Months ending March 31, 1939	Increase or Decrease	Percentage
Domestic Spirits	$13,825,094.49	$13,672,891.65	$152,202.84	Dec. 1.1
Imported Spirits	5,690,553.47	5,687,072.14	3,481.33	Dec. .06
Domestic Wines	1,470,894.70	1,496,981.30	26,086.60	Inc. 1.7
Imported Wines	621,414,71	555,287.95	66,126.76	Dec. 10.6
Domestic Beers	1,136,143.25	928,262.25	207,881.00	Dec. 18.2
Imported Beers	85,901.75	79,565.30	6,336.45	Dec. 7.3
Total Sales from Liquor Stores	$22,830,002.37	$22,420,060.59	$409,941.78	Dec. 1.8
B. & B. W. Sales (Domestic Beer Exclusive of Container Value)	26,289,136.05	25,192,225.40	1,096,910.65	Dec. 4.1
Wineries' Sales (Domestic Wines)	1,886,530.27	2,025,700.27	139,170.00	Inc. 7.3
Total	$51,005,668.69	$49,637,986.26	$1,367,682.43	Dec. 2.7

GALLONAGE

	Twelve Months ending March 31, 1938	Twelve Months ending March 31, 1939	Increase or Decrease	Percentage
Domestic Spirits	1,239,164	1,230,708	8,456	Dec. .6
Imported Spirits	327,971	328,311	340	Inc. .1
Domestic Wines	704,834	723,169	18,335	Inc. 2.6
Imported Wines	69,071	59,364	9,707	Dec. 14.0
Domestic Beers	702,741	573,551	129,190	Dec. 18.3
Imported Beers	23,057	21,733	1,324	Dec. 5.7
Total Sales from Liquor Stores	3,066,838	2,936,836	130,002	Dec. 4.2
B. & B. W. Sales (Domestic Beer)	25,096,435	24,141,817	954,618	Dec. 3.8
Wineries' Sales (Domestic Wines)	861,846	934,361	72,515	Inc. 8.4
Total	29,025,119	28,013,014	1,012,105	Dec. 3.4

STORES

The number of liquor stores in operation on March 31st was one hundred and twenty-eight. Two new stores were opened during the period—Store No. 31, at Collingwood, on June 28th, 1938, and Store No. 129, at Geraldton, on July 21st, 1938.

Three stores were moved to new locations, as follows:—

No. 1—Toronto—from S.E. corner Church and Lombard to N.E. corner Church and Lombard Sts.
No. 91—Kirkland Lake—from 69 Duncan Ave. to Kirkland Street.
No. 92—Englehart—from 91 Fourth Ave. to Third Street.

BREWERIES AND BREWERS' WAREHOUSES

On March 31st, 1939, there were twenty-four Ontario and four Quebec breweries licensed to sell their products in Ontario.

Two Ontario Breweries were closed during the year—the City Club Breweries, Toronto, on September 30th, 1938, and Taylor and Bate Limited, Hamilton, on December 31st, 1938.

The corporate name of one Brewery was changed on April 30th, 1938, i.e., Jockey Club Brewing Corporation, Guelph, to the Ace High Brewery Limited.

The number of Province of Quebec breweries operating through Ontario Brewers' Warehouses remained unchanged from the previous year.

The gallonage of domestic strong beer sold in Ontario during the years 1935 to 1939 inclusive, as computed from the sales records of the Board and with respect to sales to destinations outside Ontario from the monthly reports of the Ontario brewers, was as follows:—

	1935 (5 months) Gallons	1936 (12 months) Gallons	1937 (12 months) Gallons	1938 (12 months) Gallons	1939 (12 months) Gallons
Sales from Liquor Stores' stock	291,430	730,535	668,137	686,716	562,527
Beer orders taken at Liquor Stores for delivery by breweries and brewers' warehouses	10,564	21,035	21,408	16,025	11,024
Sales from breweries and brewers' warehouses	6,410,474	20,874,503	22,606,732	25,096,435	24,141,817
Total Ontario Sale of Domestic Beer	6,712,468	21,626,073	23,296,277	25,799,176	24,715,368
Sales to other Provinces	394,722	1,360,366	1,650,344	1,905,459	1,882,189
Export Sales	10,569	3,396	3,410	3,619	12,996
Total	405,291	1,363,762	1,653,754	1,909,078	1,895,185

The number of Brewers' Warehouses in operation at the year end totalled one hundred and nine, seven warehouses being opened during the period—at the following locations:—

64W—Geraldton—on April 13th, 1938.
79W—Leamington—on May 2nd, 1938.
101W—Collingwood—on June 17th, 1938.
106W—Burlington—on August 6th, 1938.
107W—Tillsonburg—on December 8th, 1938.
109W—Hanover—on December 10th, 1938.
108W—New Hamburg—on February 1st, 1939.

From June 15th to September 17th, a warehouse was operated at Jackson's Point.

There were no Brewers' Warehouses closed during the year.

During the twelve months under review, six warehouses were moved to new locations, as follows:—

3W	Toronto—from 581 Queen St. W. to 614 Queen St. W., as of May 7th, 1938.
5W	Toronto—from 699 Bloor St. W. to 955 Bloor St. W., as of May 20th, 1938.
46W	Woodstock—from 492 Peel St. to 36-38 Reeve St., as of June 30th, 1938.
1W	Toronto—from 351 Front St. E. to 194 Queen St. E., as of October 1st, 1938.
42W	Sault Ste. Marie—from 605 Bay St. to 215 Bay St., as of October 12th, 1938.
50W	Simcoe—from 17 Norfolk St. to Pond St., as of January 30th, 1939.

WINERIES

The Board continued their direct interest in the affairs of the grape-growers and promoted the continuance of the agreement between the wine manufacturers and the growers, whereby, the manufacturers agreed to pay $40.00 per ton for all blue grapes and $50.00 per ton for other varieties.

Supervision of the quality of native wine has been maintained by the Provincial Department of Health through periodical analyses. During the year, 407 samples were tested. Fourteen were found to violate the Regulations and were withdrawn from sale. Forty-eight cultures of pure yeast were sent to various wineries.

A revision of the Board's Regulations with respect to native wine was approved by Order-in-Council and made effective January 1st, 1939. A number of Regulations having reference to the manufacture of native wine which previously had been approved pursuant to the Public Health Act of Ontario were repealed and then incorporated in the revised Regulations of the Board. This action will permit better enforcement of the Regulations in question and eventually further improvement in quality.

During the year under review, the following native wine licenses were purchased by other licensees and surrendered and in each case, the Board, in accordance with Regulation No. 106, authorized the operation of a Retail Sales Shop in an approved location by the licensee, who surrendered the license. Details are as follows:

Date	License	Purchased and Surrendered by	Retail Sales Office Authorized at
June 30th, 1938	S. Badalato, London	T. G. Bright & Co. Limited, Niagara Falls	356 Richmond St., London
Sept. 15th, 1938	Canada Wine Products Ltd., Toronto	Jordan Wine Co. Ltd., Jordan	1314 Bloor St. W., Toronto
Dec. 21st, 1938	C. Rossoni, Windsor	London Winery Ltd., London	34 Fifth St., Chatham
Dec. 22nd, 1938	Hamilton Winery, Hamilton	Parkdale Wines Ltd., Toronto	164 York St., Hamilton
Jan. 28th, 1939	Old Fort Wine Co. Ltd. Fort Erie	T. G. Bright & Co. Ltd., Niagara Falls	537 Bloor St. W., Toronto
Mar. 15th, 1939	Sunnybank Winery, St. Catharines	Barnes Wines Ltd., St. Catharines	189 Front St., Belleville

The following transfers of Sales Offices to other premises were authorized during the year:—

Licenses	From	To	Opening Date of New Location
T. G. Bright & Co., Limited, Niagara Falls	356 Richmond St., London	187 Dundas St., London	September 1st, 1938
St. Catharines Wine Co. of Canada Ltd., St. Catharines	25 Fourth Ave., Timmins	10 Cedar St., Timmins	November 18th, 1938
London Winery Ltd., London	34 Fifth Street, Chatham	174 King St. W., Chatham	February 4th, 1939

The following statistics of gallonage of native wine sold have been compiled from the monthly reports submitted to the Board by the respective wineries:—

	1935 (5 months) Gallons	1936 (12 months) Gallons	1937 (12 months) Gallons	1938 (12 months) Gallons	1939 (12 months) Gallons
Sale at Wineries.............	219,645	557,645	737,673	861,846	934,361
Sales to the Board...........	404,102	637,521	675,551	690,635	712,783
Total Ontario Sales..........	623,747	1,195,166	1,413,224	1,552,481	1,647,144
Sales to other Provinces......	546,738	1,159,010	1,014,810	1,111,769	1,045,997
Export Sales.................	3,807	2,483	4,520	3,581	1,935
	1,174,292	2,356,659	2,432,554	2,667,831	2,695,076

During the year, the tonnage of grapes used in the manufacture of wine, concentrates, grape juice, and brandy, was 11,348 tons for wine; 1,307 tons for concentrates; 490 tons for grape juice.

One hundred and eighty-one tons of cherries also were used for wine making.

During the preceding year, 226,418 gallons of native wine were distilled into grape spirit for wine fortification, while during the year under review, 179,940 gallons were used for such purpose.

The sale of Canadian Brandy—a product of the Ontario grape—again increased. In the year ending March 31st, 1938, 13,791 gallons were sold, while 15,073 gallons were sold during the past year.

At the close of the year, there were twenty-three winery licenses operative, compared with twenty-nine at the end of the previous year, direct sale to customers being made from the premises of eight wineries and forty-one branch retail sales shops.

Authorities for the Sale of Beer and Wine

Complete details by Municipalities of the number of Authorities which were issued, cancelled, suspended or surrendered during the year, together with reinstatements, are set forth on Schedule V.

On March 31st, 1939—the end of the fiscal year—there were one thousand, one hundred and sixty-seven Hotel Authorities in operation, two hundred and thirty-five Club Authorities, one hundred and twenty-four Military Mess Authorities and one Railway Authority.

Authorities were issued for six months to sixty-two Summer Hotels. Of these, eight were extended to an annual basis after payment of the required additional fee.

The fee for Hotel and Railway Authorities was continued at six cents per gallon of beer purchased and five per cent. of the value of wine bought, payable monthly with a minimum fee of $300.00 per annum for full year Authorities and $150.00 for the six months' Summer Hotel Authorities.

From April 1st, 1938, the fees for all Club Authorities were fixed on the same basis as Hotel Authorities, with minimum fees of $100.00 for Social Clubs and $50.00 for Soldier and Labour Clubs.

The annual fees for Steamship Authorities and Military Mess Authorities were continued at $50.00 and $10.00 respectively.

Authorized Premises were visited regularly and Inspectors kept in close contact with Municipal and Provincial Police in reference to the operation of all authorized premises.

Payments to Municipalities

In accordance with the Act and the governing Order-in-Council, the Board paid to the various municipalities 20% of the fees received from their local hotel authority holders. Three hundred and seven municipalities participated in this disbursement which totalled $188,920.21, same being paid during May, 1939.

Hotels

On March 31st, 1939, one thousand three hundred and twenty-four Standard Hotel Licenses were effective, of which one thousand one hundred and sixty-seven possessed an Authority to sell beer and wine; forty-six were holders of Light Beer Permits and one hundred and eleven held only the Standard Hotel License. There was no change in fees.

The Board receives a detailed annual report from its twenty-three Inspectors covering all Hotels in the Province, and in addition to these, conduct reports were received at least once a month. The same intensive inspection service has continued in operation with respect to all authorized premises, and further progress has been made towards the improvement of hotel accommodation throughout the Province. Special attention was given to the question of fire prevention and the safety of guests. Continued co-operation was received by the Board from the Officers of the Provincial Fire Marshal and the Provincial Department of Health in matters pertaining to the betterment of conditions in Hotels, which hereby is gratefully acknowledged.

Permits

From April 1st, 1938, to March 31st, 1939, there were 47,420 Individual Annual Liquor Permits issued. The sales of Single Purchase Permits totalled 3,136,171. Individual Permits sold to non-residents, valid for a period not exceeding one month, numbered 43. In addition, 1,999 Special Permits were issued to Physicians, Druggists, Hospitals, etc.

During the year, the Board continued to give full co-operation to municipal officers and departments administering relief.

In many municipalities relief authorities keep hotels and other authorized vendors of liquor supplied direct with up-to-date lists of persons on relief, and, in keeping with the Board's policy, every endeavour is made to prevent such persons from buying intoxicants.

In accordance with the requirements of the Act, the Board, after thorough investigation, deemed it advisable during the year to issue 3,259 Prohibitory Orders, an increase of 185 over the preceding year. Such action followed either notification relative to conviction for violation of the Act, or the receipt of a request or recommendation from some interested party, such as a relative, friend, magistrate, police officer, physician, relief officer, etc. These Prohibitory Orders comprised 603 full Board Orders which precluded the individual concerned from purchasing alcoholic beverages from any source. Included therein were 39 which resulted from Judges' Orders of Interdiction, and 54 from convictions for intoxication while in charge of a motor vehicle. In twenty-nine other cases, it was deemed advisable to afford the individual restricted purchasing privileges only, such as allowing the purchase for home consumption through a specified store of limited quantities per week or month.

The remaining 2,627 were Orders which cancelled the individual's privilege to purchase alcoholic beverages for home consumption.

With respect to the 2,627 cases referred to, 974 were the result of convictions having been registered under the Criminal Code of Canada for intoxication while in charge of an automobile.. A further 829 followed the conviction of the individual for violation of the Liquor Control Act, and the premises of 540 of these were declared a "public place" within the meaning of the Act. The other Orders were issued as being in the best interests of all concerned according to the judgment of the Board from the available information at hand.

During the twelve months under review, after full investigation and consideration, it was decided to revoke 241 of the Prohibitory Orders which had been made effective at some prior date.

During the year, 1,600 Special Permits were issued to Druggists. These permits constituted authority for the druggist to purchase alcohol in limited quantities for compounding and pharmaceutical purposes and also accorded him the privilege of buying rubbing alcohol for re-sale. The premises of holders of Druggists' Special Permits were subject to periodical inspection, and, in addition, Druggists were required to file monthly with the Board a report of all rubbing alcohol sales.

Continued efforts were made to prevent the use of rubbing alcohol as a beverage and during the year the names of eighty addicts were posted with all druggists in the larger communities of the Province.

For failure to comply with the Board's Regulations, it became necessary during the year to cancel one and to refuse issuance of six Druggists' Special Permits.

General

The Board were favoured with the co-operation of all Police Departments in the Province during the year, for which due appreciation is hereby recorded.

The operations of the Board, as above reviewed, were administered by the late Edmond G. Odette, whose unfortunate death occurred on March 31st, 1939. A most active and competent business executive, his passing has been keenly felt by a host of friends in all walks of life, and particularly by the undersigned, who enjoyed his friendship for many years.

I have the honour to be, Sir,

Your obedient servant,

A. St. C. GORDON,

Chief Commissioner.

BALANCE SHEET

March 31st, 1939

ASSETS

Land, Buildings, Furniture, Equipment, Fixtures and Alterations to rented premises, less amounts written off			$ 125,115.30
Cash on hand, in transit, and in banks		$ 179,250.69	
Accounts Receivable		172,535.30	
Inventories of liquor and supplies in warehouses and stores		2,181,229.31	
			2,533,015.30
Prepaid Charges			10,453.04
			$2,668,583.64

LIABILITIES

Accounts Payable, accrued charges, deferred revenue, etc.		$ 2,612,193.53	
Due Provincial Treasurer, for			
Permit Sales—Balance from March 31st, 1938	$ 33,995.62		
Permit Sales—April 1st, 1938, to March 31st, 1939 (Net)	553,137.68		
	$587,133.30		
Less: Paid to Provincial Treasurer	585,000.00	2,133.30	
Permit Sales—1939-40 (Net)		1,126.65	
Confiscated Liquor Stocks	$ 10,931.59		
Less: Paid to Provincial Treasurer	5,000.00		
		5,931.59	
			$2,621,385.07
Surplus:			
Balance carried from Surplus Account		$10,457,198.57	
Less: Paid to Provincial Treasurer		10,410,000.00	
Balance March 31st, 1939			47,198.57
			$2,668,583.64
Contingent Liabilities:			
Liquor ordered but not delivered	$514,499.73		
Duty on Stocks in Bond	483,387.82		

AUDITORS' CERTIFICATE

We report that we have audited the books and accounts of The Liquor Control Board of Ontario for the year ended March 31st, 1939, and, in our opinion, the above Balance Sheet exhibits a true and correct view of the position of its affairs on that date.

BROKENSHIRE, SCARFF & CO.

Chartered Accountants.

Toronto, Ontario, May 16th, 1939.

PROFIT AND LOSS ACCOUNT

For the year ended March 31st, 1939

				Percentage to Sales 1938-1939	1937-1938
Sales by Vendor—Schedule I		$22,420,060.59		100.00%	100.00%
Stock on hand, April 1st, 1938	$ 2,097,593.63				
Purchases	14,301,798.96				
	$16,399,392.59				
Less: Stock on hand March 31st, 1939	2,157,340.18				
Cost of Sales by Vendors		14,242,052.41		63.52%	63.62%
			$8,178,008.18	36.48%	36.38%
Miscellaneous earnings			6,888.67	.03%	.01%
			$8,184,896.85	36.51%	36.39%
Expenses:					
Administering and Operating Head Office, Warehouses and Stores—Schedule II		$ 1,823,075.23			
Items written off		690.28			
Depreciation on Buildings, Furniture, Equipment, Fixtures and Alterations to rented premises written off and reserved for	$ 41,833.89				
Less: Included in Administration and Operating Expenses (Maintenance)	3,844.20	37,989.69	1,861,755.20	8.31%	7.86%
			$6,323.141.65	28.20%	28.53%
Other Revenue:					
Brewery Warehouse License Fees		$ 149,341.46			
Brewery License Fees		96,625.00			
Malt Tax		1,592,765.00			
Gallonage Tax		378,942.47			
Authority Holders' Fees		868,734.14			
Light Beer Licenses, etc.		3,011.00			
Fines (Net)		41,713.13			
Native Wine Tax and Licenses		121,747.19	3,252,879.39	14.51%	14.80%
Carried to Surplus Account			$9,576,021.04	42.71%	43.33%

SURPLUS ACCOUNT

March 31st, 1939

Balance, April 1st, 1938		$ 879,333.75
Sundry Adjustments		1,843.78
Profit for year ended March 31st, 1939		9,576,021.04
Balance carried to Balance Sheet	$10,457.198.57	
	$10,457,198.57	$10,457,198.57

SCHEDULE I

SUMMARY OF SALES

For the year ended March 31st, 1939

Store counter and mail order sales of wines, spirits and beer	$22,403,093.79
Beer orders taken at stores for delivery by breweries and brewers' warehouses	16,966.80
	$22,420,060.59

SCHEDULE II

ADMINISTRATION AND OPERATING EXPENSES HEAD OFFICE, WAREHOUSES AND STORES

For the year ended March 31st, 1939
and
Number of Employees on the Staff at March 31st, 1939

		Percentage to Total Sales	
		1938-1939	1937-1938
Salaries	$1,096,398.39	4.90%	4.67%
Legal and Audit	14,237.82	.06%	.06%
Rents paid, less received	193,843.05	.87%	.87%
Superannuation	48,045.13	.21%	.22%
Travelling	52,074.86	.23%	.23%
Insurance	11,533.87	.05%	.05%
Postage	10,865.26	.05%	.05%
Telephone and Telegraph	12,355.61	.06%	.06%
Stationery	39,540.27	.18%	.18%
Protection Service	5,045.08	.02%	.02%
Breakage	2,261.97	.01%	.01%
Light, Heat and Power	30,781.24	.14%	.14%
Repairs and Maintenance	32,466.06	.14%	.13%
Sundries	16,799.27	.07%	.08%
Freight and Cartage	134,564.52	.60%	.57%
Terminal Warehouse Charges	43,302.32	.19%	.20%
Discounts to Hospitals, etc	2,081.31	.01%	.01%
Truck Maintenance	18,869.12	.08%	.08%
Packing Materials	27,396.33	.12%	.11%
Taxes—Business	30,613.75	.14%	
	$1,823,075.23	8.13%	7.74%

NUMBER OF EMPLOYEES ON THE STAFF

(Including 44 temporary employees whose services are either part time or seasonal.)

Commissioner's Staff		3
Director of Hotels and Personnel		32
Comptroller's Staff		10
Legal Department		1
Accounting Department		65
Beer and Wine Department		29
Permit Department		21
Purchasing and Supply Department		9
Traffic Department		3
Customs Department		4
Stock Supervision Department		14
Brewery Inspection Department		29
Winery Inspection Department		3
Store Inspection Department		11
Supervision of Stores and Properties		4
Head Office Maintenance Staff		5
Garage		8
Stores	552	
Warehouses	70	
		622
Total		873

SCHEDULE III

LIQUOR STORES, LICENSED BREWERS' WAREHOUSES, BREWERIES AND WINERIES IN ONTARIO AT 31st MARCH, 1939.

Liquor Stores

Store No.		
1	Church and Lombard Streets	Toronto
2	122 Wellington Street West	Toronto
3	1271 Dundas Street West	Toronto
4	170 Danforth Avenue	Toronto
5	1881 Queen Street East	Toronto
6	1271 Queen Street West	Toronto
7	2223 Dundas Street West	Toronto
8	928 St. Clair Avenue West	Toronto
9	959 Bloor Street West	Toronto
10	543 Yonge Street	Toronto
11	949 Gerrard Street East	Toronto
12	402 Parliament Street	Toronto
13	1448 Danforth Avenue	Toronto
14	454 Spadina Avenue	Toronto
15	292 Dupont Street	Toronto
16	106 Richmond Street West	Toronto
18	Midland Avenue and Kingston Road	Scarboro Bluffs
19	Rogers Road and Blackthorn Avenue	Toronto
20	802 Lake Shore Road	New Toronto
21	29 Charles Street	Hamilton
22	673 King Street East	Hamilton
23	1057 Barton Street East	Hamilton
24	216 King Street	Port Colborne
25	81 King Street West	Dundas
26	419 Talbot Street	London
27	629 Dundas Street	London
28	12 Canal Street	Dunnville
29	Berford Street	Wiarton
30	82 Durham Street	Walkerton
31	47 Hurontario Street	Collingwood
32	94 Wyandotte Street East	Windsor
33	241 Drouillard Road	Windsor
34	628 Chilver Road	Windsor
35	3236 Sandwich Street West	Windsor
36	272 Queen Street	Ottawa
37	685 Bank Street	Ottawa
38	188 Rideau Street	Ottawa
39	King Street East	Cobourg
40	Market Square	Kingston
41	209 Victoria Avenue	Fort William
42	101 King Street West	Brockville
43	137 King Street East	Kitchener
44	69 Dalhousie Street	Brantford
45	408 George Street	Peterborough
46	224 Front Street North	Sarnia
47	23 Ontario Street	St. Catharines
48	937 Victoria Avenue	Niagara Falls
49	66 Pitt Street	Cornwall
50	Cedar and Elgin Streets	Sudbury
51	72 Carden Street	Guelph
52	24-26 Cross Street	Welland
53	66 Cumberland Street South	Port Arthur
54	88 Main Street East	North Bay
55	185 Alexander Street	Pembroke
56	Water Street	Prescott
57	37 Bridge Street East	Belleville
58	4 Balsam Street North	Timmins
59	72 Collier Street	Barrie
60	88 Ontario Street	Stratford
61	210 King Street West	Chatham
62	314 Talbot Street	St Thomas
63	343 Queen Street East	Sault Ste. Marie

LIQUOR STORES—Continued

Store No.		
64	516 Dundas Street	Woodstock
65	Front Street	Trenton
66	6th Avenue North	Cochrane
67	Main and Ferguson Streets	Haileybury
68	214 Main Street South	Kenora
69	Church Street and Mowat Avenue	Fort Frances
70	22 Beckwith Street	Smith's Falls
71	King and Main Streets	Gananoque
72	34 Gore Street	Perth
73	610 King Street	Preston
74	61 Robinson Street	Simcoe
75	226 Devonshire Avenue	Iroquois Falls
76	Prospect Avenue and Silver Street	Cobalt
77	121 Main Street	Penetang
78	Wellington Street	New Liskeard
79	79 Walton Street	Port Hope
80	Parry Sound Road	Parry Sound
81	Main and Queen Streets	Sturgeon Falls
82	79 Kent Street	Lindsay
83	31 Main Street West	Hawkesbury
84	Main Street	Picton
85	Daniel and Elgin Streets	Arnprior
86	Queen and White Streets	Dryden
87	Front Street	Sioux Lookout
88	River Street East	Paris
89	Main and Mattawa—Pembroke Highway	Mattawa
90	68 Simcoe Street North	Oshawa
91	Kirkland Street	Kirkland Lake
92	Third Street	Englehart
93	Gilmour Road	Fort Erie
94	Bridge Street North	Eganville
95	21 Water Street North	Galt
96	112 Main Street	Deseronto
97	Dundas Street	Napanee
98	22 Main Street	Alexandria
99	Emard Street	Embrun
100	25 Albert Street	Thorold
101	48 Main Street	Grimsby
102	Muskoka Street	Gravenhurst
103	Tudhope Street	Espanola
104	Main Street East	Thessalon
105	Concession Street	Tamworth
106	Main Street	Huntsville
107	Main Street	Palmerston
108	Woodward Avenue	Blind River
109	Murray and Bathurst Streets	Amherstburg
110	46 Wallace Street	Wallaceburg
111	Bedford Street	Westport
112	37 Government Road	Kapuskasing
113	Opongo Street	Barry's Bay
114	Corner Fourth Street and Broadway	Rainy River
115	43 King Street North	Waterloo
116	26 Arthur Street	Elmira
117	17 Birch Street	Chapleau
118	114 Young Street	Capreol
119	9 Main Street	Merrickville
120	West Dock	Pelee Island
121	1008 Wellington Street West	Ottawa
122	George Street	Hearst
123	Main Street	Lancaster
124	Corner Picton and King Streets	Niagara-on-the-Lake
125	99 Laurier Street	Rockland
126	Queen Street	Tilbury
127	Main Street	Morrisburg
128	Bruce Avenue	South Porcupine
129	Main Street	Geraldton

BREWERS' WAREHOUSES

Warehouse No.		
1W	194 Queen Street East	Toronto
2W	74 King Street East	Toronto
3W	614 Queen Street West	Toronto
4W	398 College Street	Toronto
5W	955 Bloor Street West	Toronto
6W	1267 Queen Street West	Toronto
7W	2160 Dundas Street West	Toronto
8W	1083 St. Clair Avenue West	Toronto
9W	440 Danforth Avenue	Toronto
10W	1852 Danforth Avenue	Toronto
11W	145 John Street North	Hamilton
12W	1080 Barton Street East	Hamilton
13W	84 Carling Street	London
14W	594 Dundas Street	London
15W	413 Hamilton Road	London
16W	1573 McDougall Street	Windsor
17W	881 Erie Street East	Windsor
18W	2131 Wyandotte Street West	Windsor
19W	268 Queen Street	Ottawa
20W	Broad and Wellington Streets	Ottawa
21W	208 Wellington Street	Kingston
22W	670 Bridge Street	Niagara Falls
23W	78 Niagara Street	St. Catharines
24W	11 College Street	Kitchener
25W	217 Talbot Street	St. Thomas
26W	271 Ambrose Street	Port Arthur
27W	269 Water Street	Peterborough
28W	131 Wellington Street	Brantford
29W	113 Quebec Street East	Guelph
30W	594 East Market and Water Streets	Brockville
31W	6 Dover Street	Chatham
32W	221 Sherman Avenue North	Hamilton
33W	155 Front Street	Belleville
34W	68-72 Pitt Street	Cornwall
35W	University and Spring Streets	Cobourg
36W	177 Main Street	Prescott
37W	22 Lorne Street	Sudbury
38W	143 Victoria Avenue	Sarnia
39W	107 Oak Street West	North Bay
40W	2 King Street East	Lindsay
41W	Railway Street	Cochrane
42W	215 Bay Street	Sault Ste. Marie
43W	16 Victoria Street North	Smiths Falls
44W	Front Street	Trenton
45W	15 Riverbank St.	Welland
46W	36-38 Reeve Street	Woodstock
47W	32 Erie Street	Stratford
48W	Killally Street	Port Colborne
49W	1 Second Street	Timmins
50W	Pond Street	Simcoe
51W	269 Mill Street	Port Hope
52W	19 Main Street	Penetang
53W	182 Victoria Street	Pembroke
54W	553 King Street	Preston
55W	27 Cockburn Street	Perth
56W	Railway Street	Kenora
57W	620 Mowat Street	Fort Frances
58W	187 King Street	Gananoque
59W	5 Gilmour Road	Fort Erie
60W	16 Bayfield	Barrie
61W	966 Drouillard Road	Windsor
62W	Brunel and Main Streets	Huntsville
63W	82 Amwell Street	Haileybury
64W	First Avenue and Second Street North	Geraldton
65W	Elgin and Harriett Streets	Arnprior
66W	156 Lake Shore Road	Mimico
67W	Ross Street	Picton
68W	Murray and Dalhousie Streets	Amherstburg

BREWERS' WAREHOUSES—Continued

Warehouse No.		
69W	North Cayuga Street	Dunnville
70W	Main Street	Belle River
71W	Main Street	Glencoe
72W	Champagne Street	Parry Sound
73W	Main Street	Ridgetown
74W	Queen Street South	Tilbury
75W	First Avenue	Schumacher
76W	897 Queen Street East	Toronto
77W	59 King West	Dundas
78W	499 James Street North	Hamilton
79W	Victoria Street	Leamington
80W	269 Dalhousie Street	Ottawa
81W	161 King Street West	Oshawa
82W	24 St. Paul Street	St. Catharines
83W	9 Market Street	Thorold
84W	4 Dunn Street	Oakville
85W	Front Street	Sioux Lookout
86W	Berford Street	Wiarton
87W	35 Prospect Avenue	Kirkland Lake
88W	Durham Street	Walkerton
89W	39 Dickson Street	Galt
90W	Muskoka Road and Main Street	Gravenhurst
91W	Mill Street	Napanee
92W	162 Wyandotte Street East	Windsor
93W	Nelson Street	Wallaceburg
94W	1395 Gerrard Street East	Toronto
95W	Goderich and Green Streets	Port Elgin
96W	Marlborough Street South	East Cornwall
97W	Locke Street	Morrisburg
98W	2422 Dufferin Street	York Township
99W	1133 Yonge Street	Toronto
100W	Norman Street	Palmerston
101W	Elgin and Simcoe Streets	Collingwood
102W	3333 Danforth Avenue	Scarboro
103W	Government Road	Kapuskasing
104W	Nation Street	Casselman
105W	325 Simpson Street	Fort William
106W	15-17 Water Street	Burlington
107W	Broadway and London Streets	Tillsonburg
108W	East and West Streets	New Hamburg
109W	Durham Road	Hanover

BREWERIES

Ace High Brewery, Limited	Guelph
Bixel Brewing & Malting Company, Ltd.	Brantford
Blue Top Brewing Company, Limited	Kitchener
Brading Breweries, Limited	Ottawa
British American Brewing Company, Ltd	Windsor
Canada Bud Breweries, Limited	Toronto
Capital Brewing Company, Limited	Ottawa
Carling-Kuntz Breweries, Limited	Waterloo
Copland Brewing Company, Limited	Toronto
Cosgrave's Dominion Brewery, Limited	Toronto
Formosa Springs Brewery, Limited	Formosa
Fort Frances Brewing Company, Limited	Fort Frances
Gold Belt Brewery, Limited	Timmins
Hofer Brewing Company, Limited	La Salle
Kakabeka Falls Brewing Company, Ltd.	Fort William
John Labatt, Limited	London
Lake of the Woods Brewing Company, Limited	Kenora
O'Keefe's Brewing Company, Limited	Toronto
Perth Brewery	Stratford
Port Arthur Beverage Company, Limited	Port Arthur
Reinhardt Brewery Company, Limited	Toronto
Soo Falls Brewing Company, Limited	Sault Ste. Marie
Sudbury Brewing & Malting Company, Limited	Sudbury
Walkerville Brewery, Limited	Windsor

LICENSED BREWING COMPANIES LOCATED OUTSIDE THE PROVINCE OF ONTARIO, THE PRODUCTS OF WHICH ARE SOLD THROUGH ONTARIO BREWERS' WAREHOUSES

Molson's Brewery, Limited .... Montreal, Que.
National Breweries, Limited .... Montreal, Que.
(Wm. Dow & Co.—Montreal)
(Dawes Black Horse Breweries—Montreal)
(Frontenac Breweries, Ltd.—Montreal)

WINERIES	SALES OFFICES
Acme Wine Co. Ltd., 889 Queen St. W., Toronto.	708 Danforth Ave., Toronto
Barnes Wines Ltd., Grantham Twp., St. Catharines.	703 Yonge St., Toronto 16 Main St. E., North Bay 189 Front St., Belleville
Bordeaux Wines Ltd., R.R. No. 2, Stone Road, Niagara-on-the-Lake.	771 Queen St. E., Toronto
Bright, T. G. & Co. Ltd., Dorchester Road, Niagara Falls.	513 St. Clair Ave. W., Toronto 223½ Yonge St., Toronto 78 Sparks St., Ottawa 91 King St. E., Hamilton 33 Elm St., Sudbury 564 Ouelette Ave., Windsor 187 Dundas St., London 537 Bloor St. W., Toronto
Canadian Wineries Ltd.. Stamford and Grantham Twps., Niagara Falls.	878 Yonge St., Toronto 378 Talbot St., St. Thomas 299 St. Paul St., St. Catharines 940 St. Clair Ave. W., Toronto
Cooksville Wine Vaults Alex. Thomas, Prop., Dundas Highway, Cooksville.	Dundas Highway, Cooksville
Danforth Wines Ltd., 1076 Lakeshore Rd., New Toronto.	1426 Yonge St., Toronto Lakeshore Rd. & 19th St., New Toronto 26 Queen St. E., Toronto 1854 Danforth Ave., Toronto
Grimsby Wines Ltd., 164 Main St. W., Grimsby.	427 Spadina Ave., Toronto
Hamilton, J. S. & Co. Ltd., 44-46 Dalhousie St., Brantford.	44-46 Dalhousie St., Brantford
Hillrust Wine Co. Ltd., R.R. No. 4. St. Catharines.	224 Charlotte, Peterboro
Jordan Wine Co. Ltd., Jordan and St. Catharines.	169 Sparks St., Ottawa 1314 Bloor St. W., Toronto
Kitchener Winery, Bruno Huehnergard, Prop. R.R. No. 3, Kitchener	60 Queen St. S., Kitchener
London Winery Ltd., Westminster Twp., London.	1548 Bloor St. W., Toronto 409 Ridout St., London 268 Princess St., Kingston 52 Rideau St., Ottawa 174 King St. W., Chatham
Fred Marsh Winery Ltd., 749 Park St., Niagara Falls.	73 Bank St., Ottawa 31 Second St., Cornwall
National Wine Co. Ltd., 27 Brock Ave., Toronto.	27 Brock Ave., Toronto
Old Battlefield Wine Co., Bertrand Sanderson, Prop., R.R. No. 5, Hamilton.	744 Barton St. E., Hamilton
The Parkdale Wines Ltd., 181-185 Bathurst St., Toronto.	181 Bathurst St., Toronto 1165 St. Clair Ave. W., Toronto 42 Government Rd. W., Kirkland Lake 164 York St., Hamilton

WINERIES—Continued

Peerless Wine Mfgrs. Ltd., 448 Queen St. E., Toronto.	448 Queen St. E., Toronto
Royal City Winery, John Tantardini, Prop., 32 Wilson St., Guelph.	32 Wilson St., Guelph
St. Catharines Wine Co. of Canada Ltd., Woodburn Ave., St. Catharines.	10-10½ Cedar St. S., Timmins 8-10 Lisgar St., Sudbury
Turner Wine Company, Mrs. H. Padden Robinson, Prop., 104-106 Front St. E., Toronto.	198 Queen St. W., Toronto 15 King William St., Hamilton
Twin City Wine Co., 514 McTavish St., Fort William.	287 Bay St., Port Arthur
Welland Winery, Louis Banko, Prop., 268 King St., Welland.	268 King St., Welland

SCHEDULE IV.

STATEMENT SHOWING THE NUMBER OF PERMITS AND LICENSES WHICH WERE ISSUED DURING THE TWELVE MONTHS PERIOD ENDING MARCH 31st, 1939

PERMITS

Resident	47,420
Temporary	43
Duplicate	1,667
Single Purchase	3,136,171
Physician	77
Druggist	1,600
Dentist and Veterinary Surgeons	37
Manufacturers	173
Mechanical and Scientific	112
Duplicate Special	9

LICENSES

Brewers'	30
Brewers' Warehouses	1,548
Native Wine	29
Sacramental Wine Vendorships	5
Not-potable Alcohol Storage Warehouses	3

LIGHT BEER PERMITS

Brewers'	3
Brewers' Warehouse	3
Restaurant	43
Shop	3
Picnic	2

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st., 1939

Schedule V

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1939				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative, March 31 1939	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Acton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Adjala Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Alexandria	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Alfred Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Algona North Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Alliston	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Almonte	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Alvinston	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Amherstburg	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Anderdon Township	2	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Anson Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Armstrong Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Arnprior	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Arthur	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Assiginack Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Aylmer	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Ayr	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Bala	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Baldwin Township	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..

Bancroft	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Barrie	6	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Barry's Bay	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Barton Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Bayham Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Beaverton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Belle River	5	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..
Belleville	7	2	3	..	..	..	..	..	..	..	..	..	7	2	3	..	..	..	..	..	..	..	..	..
Bertie Township	3	3	..	..	..	..	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..
Bexley Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Blandford Township	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Blenheim	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Blezard Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Blind River	5	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..
Blyth	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Bobcaygeon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	3	..
Bonfield	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Bosanquet Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	1
Bothwell	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Bradford	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Brampton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Brant Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Brantford	9	4	4	..	..	..	..	..	..	..	..	..	9	4	4	..	..	..	..	..	..	..	..	..
Brighton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Brock Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Brockville	5	1	1	..	..	..	..	..	..	..	..	..	5	1	1	..	1	..	..	..	..	..	1	..
Bromley Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Bruce Mines	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Brussels	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Buchanan Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Burford Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Burk's Falls	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Burleigh Township	3	..	..	..	2	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..
Burlington	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Burlington Beach Comm.	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Cache Bay	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Caldwell Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..
Caledon Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Caledonia	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Calvert Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	1	..	..	..	..	..	1	..
Cambridge Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..
Capreol	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Cardinal	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Carnarvon Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2
Carrick Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1939 Schedule V—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1939				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative March 31, 1939	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Casimir Township	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Casselman	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Cayuga	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Chapleau Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	2	..	..	..	2
Chappel Township	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Chatham	9	3	2	..	..	..	..	..	..	..	..	..	9	3	2	..	..	..	..	..	..	..	..	..
Chatham Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Chatsworth	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Chelmsford	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Chesley	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Chesterville	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Chippawa	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Clarence Township	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Clifford	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Clinton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Cobalt	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Cobden	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Cobourg	6	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Colborne	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..

Cochrane	5	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..
Colchester S. Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Collingwood	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Cornwall	6	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Cornwall Township	4	..	..	..	1	..	..	..	1	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Cosby and Mason Townships	3	..	..	..	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Courtwright	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Creemore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Crosby S. Township	2	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Crowland Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Crystal Beach	8	..	..	..	6	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Culross Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Cumberland Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Delhi	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Deseronto	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Douro Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dover Township	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Downie Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Drayton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Dresden	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Drummond Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Drury Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Dryden	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Dundas	3	..	2	..	..	..	..	..	..	..	..	..	3	..	2	..	..	..	..	..	..	..	..	..
Dunn Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dunnville	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Durham	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Dutton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Dysart Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
East Hope North Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
East Hope South Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Eastview	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Edwardsburg Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Eganville	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Elmira	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Elora	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Embro	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Emo Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Englehart	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Erieau	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Erin	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Esquesing Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Essex	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Etobicoke Township	5	4	..	..	..	1	..	..	..	..	..	..	5	3	..	..	..	..	..	..	..	..	..	..
Exeter	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1939 Schedule V—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1939				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative March 31, 1939	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Fenelon Falls	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	..	1	..
Ferris E. Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ferris W. Township	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Field Township	3	..	..	..	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Finch Township	3	..	..	..	1	..	..	..	1	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Flesherton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Flos Township	3	..	..	..	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Forest	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Fort Erie	10	2	..	..	..	1	..	..	..	..	..	..	10	1	..	..	..	..	..	..	..	..	..	..
Fort Frances	6	1	..	..	..	..	..	..	..	..	..	..	6	1	..	..	..	..	..	..	..	..	..	..
Fort William	10	7	..	..	..	..	..	..	..	..	..	..	10	7	..	..	..	..	..	..	..	..	..	..
Franklin Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Galt	4	2	2	..	..	..	..	..	..	..	..	..	4	2	2	..	..	..	..	..	..	..	..	..
Gananoque	3	..	1	..	1	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..
Georgetown	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Georgina Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Geraldton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Glanford Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Glencoe	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..

Gloucester Township	3	2	..	..	1	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..
Goderich	4	..	..	..	1	..	..	..	..	..	..	..	3	..	..	..	1	..	..	..	..	..	1	..
Gore Bay	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2
Gower N. Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Grand Valley	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Grantham Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Gravenhurst	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Greenock Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Grimsby	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Guelph	6	2	2	..	..	..	..	..	..	..	..	..	6	2	2	..	..	..	..	..	..	..	..	..
Hagar Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Hagersville	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Haileybury	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Haldimand Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Hamilton	53	19	19	..	3	..	..	..	2	..	..	..	52	19	19	..	..	..	..	..	..	..	..	..
Hanover	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Harriston	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Harrow	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Hastings	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Hawkesbury	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Hawkesbury E. Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Hay Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Head, Clara & Maria Twp.	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Hearst	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Hensall	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Hepworth	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Hespeler	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Highgate	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Hilton Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Himsworth N. Township	3	..	..	..	2	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..
Hinchinbrooke Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Horton Township	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Humberstone	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Humberstone Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Hungerford Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Huntsville	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Ingersoll	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	1	2
Iroquois	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
James Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Jarvis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Kaladar Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Kapuskasing	6	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Keewatin	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Kemptville	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Kennebec Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1939 Schedule V—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1939				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative March 31, 1939	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Kenora	6	1	1	..	..	1	..	..	..	..	..	..	6	..	1	..	..	..	..	..	..	..	..	..
Killaloe Station	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Kincardine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
King Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Kingston	8	3	4	..	..	..	..	..	..	..	..	..	8	3	4	..	..	..	..	..	..	..	..	..
Kingston Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Kitchener	8	8	2	..	..	1	..	..	..	..	..	..	8	7	2	..	..	..	..	..	..	..	..	..
Kitley Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Lakefield	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
Lanark	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Lancaster	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Larder Lake	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
LaSalle	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Leamington	4	1	..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..
Lindsay	5	1	2	..	..	..	..	..	..	..	..	..	5	1	2	..	..	..	..	..	..	..	..	..
Listowel	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Little Current	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2
Lochiel Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
London	24	8	5	..	1	..	..	..	1	..	..	..	24	8	5	..	..	..	..	..	..	..	..	..

Long Branch	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
L'Orignal	2	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Louth Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Machin Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Madoc	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Magnetewan	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Maidstone Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Malden Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Manvers Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Mara Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
March	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Markdale	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Marmora	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Martland Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Massey Station	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Mattawa	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Maxville	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
McKillop Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
McMurrich Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Medora and Wood Township	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Merrickville	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Merritton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Middleton Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Midland	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Mildmay	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Millbrook	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Milton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Milverton	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Mimico	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Minden Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mitchell	3	..	..	..	1	..	..	..	1	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Monck Township	3	..	..	..	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Monteagle Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Moore Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Morley Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Morris Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Morrisburg	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
MorrisonTownship	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Mountain Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Mount Forest	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Nairn Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Napanee	4	..	1	..	..	..	..	..	..	..	..	..	4	..	1	..	..	..	..	..	..	..	..	..
Neebing Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Nelson Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Neustadt	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1939 Schedule V—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1939				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licensse Issued to non-authority holders operative March 31, 1939	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Newcastle	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
New Hamburg	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
New Liskeard	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Newmarket	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
New Toronto	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Niagara Falls	17	3	1	..	3	..	..	..	1	..	..	..	15	3	1	..	..	..	..	..	..	..	..	..
Niagara Town	2	2	6	..	1	..	6	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..
Niagara Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Nipigon Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Normanby Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
North Bay	5	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..
Oakville	5	1	..	..	..	..	..	..	..	..	..	..	5	1	..	..	..	..	..	..	..	..	..	..
Oil Springs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Omemee	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Orangeville	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
Orillia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Orillia Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Oshawa	4	2	2	..	..	..	..	..	..	..	..	..	4	2	2	..	..	..	..	..	..	..	..	..
Osnabruck Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..

Ottawa	40	9	11	..	1	2	..	..	1	1	..	..	40	8	11	..	..	..	..	..	..	..	..	..
Owen Sound	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	4	..
Paipoonge Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Paisley	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Palmerston	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Paris	4	1	..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..
Parry Sound	2	1	..	..	1	..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	1	..
Pelee Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Pembroke	5	1	1	..	..	..	..	..	..	..	..	..	5	1	1	..	..	..	..	..	..	..	..	..
Penetang	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Perry Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Perth	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Peterborough	8	1	2	..	..	..	..	..	..	..	..	..	8	1	2	..	..	..	..	..	..	..	..	..
Petrolia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Picton	2	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..
Plantagenet N. Township	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	1	..	..	..	..	..	1	..
Plantagenet S. Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Playfair Township	2	..	..	..	2	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Point Edward	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Port Arthur	12	3	..	..	..	..	..	..	..	..	..	..	12	3	..	..	..	..	..	..	..	..	..	..
Port Colborne	6	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Port Credit	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	1	..
Port Dalhousie	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Port Dover	3	..	..	..	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Port Elgin	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Port Hope	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Port Perry	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Port Rowan	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Portsmouth	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Port Stanley	6	..	..	..	4	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Powassan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Prescott	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Preston	5	1	..	..	..	..	..	..	..	..	..	..	5	1	..	..	..	..	..	..	..	..	..	..
Rainham Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Rainy River	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Ratter and Dunnett Township	3	..	..	..	1	..	..	..	1	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Renfrew	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
Ridgetown	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Ripley	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2
Riverside	4	3	..	..	1	..	..	..	1	..	..	..	4	3	..	..	..	..	..	..	..	..	..	..
Rochester Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Rockland	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Rosseau	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roxborough Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Russell Township	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1939 Schedule V—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1939				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative March 31, 1939	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Rutherford Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
St. Catharines	14	4	3	..	..	..	..	..	..	..	..	..	14	4	3	..	..	..	..	..	..	..	..	..
St. Marys	3	..	2	..	..	..	..	..	..	..	..	..	3	..	2	..	..	..	..	..	..	..	..	..
St. Thomas	12	1	2	..	..	..	..	..	..	..	..	..	12	1	2	..	..	..	..	..	..	..	..	..
Saltfleet Township	4	1	..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..
Sandwich E. Township	5	1	..	..	1	..	..	..	1	..	..	..	5	1	..	..	..	..	..	..	..	..	..	..
Sandwich W. Township	4	4	..	..	1	..	..	..	1	..	..	..	4	4	..	..	..	..	..	..	..	..	..	..
Sarnia	6	3	2	2	..	2	..	2	..	..	..	..	6	1	2	..	..	..	..	..	..	..	..	..
Sarnia Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Sault Ste. Marie	14	5	2	1	1	1	..	..	1	..	..	..	14	4	2	1	..	..	..	..	..	..	..	..
Scarboro Township	7	7	..	..	..	2	..	..	..	..	..	..	7	5	..	..	..	..	..	..	..	..	..	..
Seaforth	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Sheffield Township	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Shelbourne	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
Sherwood Township	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Shuniah Township	1	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Simcoe	5	1	2	..	..	..	..	..	..	..	..	..	5	1	2	..	..	..	..	..	..	..	..	..
Sioux Lookout	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Smiths Falls	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..

Smooth Rock Falls	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Sombra Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Southampton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	..	1	..	..	..	..	..
South River	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Southwold Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Springfield	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Springer Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Stamford Township	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Stanley Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Stayner	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Stephen Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	1	2
Stirling	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Stoney Creek	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Storrington Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Stratford	7	1	2	..	..	..	..	..	..	..	..	..	7	1	2	..	..	..	..	..	..	..	..	..
Strathroy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Sturgeon Falls	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Sudbury	14	2	2	..	..	..	..	..	..	..	..	..	14	2	2	..	..	..	..	..	..	..	..	..
Sullivan Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Sundridge	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Sunnidale	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Sutton W.	4	..	..	..	1	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Tara	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Tavistock	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Teck Township	12	1	..	..	1	..	..	..	1	..	..	..	12	1	..	..	2	..	..	..	..	..	2	..
Tecumseh	3	3	..	..	..	..	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..
Thamesville	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Thedford	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Thessalon	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Thornbury	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Thorold	4	1	..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..
Tilbury	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Tilbury N. Township	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Tillsonburg	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Timmins	19	1	..	..	..	..	..	..	..	..	..	..	19	1	..	..	..	..	..	..	..	..	..	..
Tisdale Township	11	..	..	..	..	..	..	..	..	..	..	..	11	..	..	..	..	..	..	..	..	..	..	..
Tiverton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Toronto	116	48	29	6	3	2	..	6	3	2	..	..	116	48	29	..	6	..	..	..	..	..	6	..
Toronto Township	..	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	1	..	..	..	..	..	1
Tottenham	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Trenton	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Trout Creek	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Tyendinaga Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Uxbridge	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Vankleek Hill	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1939 Schedule V—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1939				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative March 31, 1939	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Vienna	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Walkerton	3	..	2	..	..	..	..	..	..	..	..	..	3	..	2	..	..	..	..	..	..	..	..	..
Wallaceburg	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Walsingham S. Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Warwick Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Waterdown	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Waterford	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Waterloo	3	2	..	..	..	..	..	..	..	..	..	..	3	2	..	..	..	..	..	..	..	..	..	..
Waterloo Township	6	1	..	..	..	..	..	..	..	..	..	..	6	1	..	..	..	..	..	..	..	..	..	..
Watford	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Webbwood	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Welland	6	3	1	..	..	..	..	..	..	..	..	..	6	3	1	..	..	..	..	..	..	..	..	..
Wellesley Township	5	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..
West Lorne	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Westminster Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Westport	3	..	..	..	2	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Whitby	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Whitby Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Whitney Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..

Wiarton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Wicksteed Township	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Widdifield	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Williamsburg Township	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Willoughby Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Wilmot Township	6	..	..	..	1	..	..	..	1	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Windsor	63	15	3	3	2	..	..	3	2	..	..	..	63	15	3	..	..	..	..	..	..	..	..	..
Wingham	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Wolfe Island Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Woodbridge	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Woodstock	4	..	2	..	..	..	..	..	..	..	..	..	4	..	2	..	..	..	..	..	..	..	..	..
Woolwich Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
York Township	4	10	..	..	..	..	..	..	..	..	..	..	4	10	..	..	..	..	..	..	..	..	..	..
York East Township	2	4	..	..	..	..	..	..	..	..	..	..	2	4	..	..	..	..	..	..	..	..	..	..
York North Township	2	7	..	..	..	2	..	..	..	..	..	..	2	5	..	..	..	..	..	..	..	..	..	..
Young and Escott Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Unorganized Territory	72	1	..	..	15	..	..	..	2	..	..	..	59	1	..	..	2	..	..	..	..	..	2	..
TOTALS	1227	247	130	12	100	15	6	11	40	3	..	..	1167	235	124	1	113	49	2	3	..	..	111	46

Ontario Department of Agriculture

REPORT

OF THE

Minister of Agriculture

Province of Ontario

FOR THE YEAR ENDING MARCH 31st, 1939

Printed by Order of
THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1939

DEPARTMENT OF AGRICULTURE
PROVINCE OF ONTARIO

To The Honourable Albert Matthews, l.l.d.,
Lieutenant-Governor of Ontario.

May It Please Your Honour:

I have the honour to submit the Report of the Department of Agriculture for the year 1938-39.

I have the honour to be, Sir,

Your obedient servant,

P. M. DEWAN,

Minister of Agriculture.

Toronto, March, 31, 1939.

PRINCIPAL OFFICERS OF THE DEPARTMENT OF AGRICULTURE

THE HONOURABLE P. M. DEWAN, Minister

W. R. REEK, Deputy Minister

MISS J. M. FRY, Secretary to the Minister

MISS M. S. MARTIN, Accountant

G. I. CHRISTIE, B.S.A., D.Sc.	*President, Ontario Agricultural College, Guelph.*
C. D. McGILVRAY, M.D.V., D.V.Sc.	*Principal, Ontario Veterinary College, Guelph.*
M. C. McPHAIL, B.S.A.	*Principal, Kemptville Agricultural School.*
E. F. PALMER, B.S.A.	*Director, Horticultural Experimental Station, Vineland.*
J. C. STECKLEY, B.S.A.	*Director, Western Ontario Experimental Farm, Ridgetown.*
S. H. H. SYMONS, B. Comm., F.S.S.	*Principal Clerk, Statistics and Publications Branch.*
J. A. CARROLL, B.S.A.	*Superintendent, Agricultural and Horticultural Societies Branch.*
L. E. O'NEILL, B.S.A.	*Director, Live Stock Branch.*
MISS MARY A. CLARKE, M.A.	*Superintendent, Women's Institutes Branch.*
P. W. HODGETTS, B.S.A.	*Director, Fruit Branch.*
C. E. LACKNER, B.S.A.	*Director, Dairy Branch.*
R. S. DUNCAN, B.S.A.	*Director, Agricultural Representative Branch.*
J. D. SMITH	*Director, Crops Seeds and Weeds Branch.*
L. CAESAR, B.A., B.S.A.	*Provincial Entomologist.*
L. STEVENSON, B.V. Sc., M.S.	*Provincial Zoologist*
T. A. DOUGLAS, B.S.A.	*Farm Manager, Hearst Demonstration Farm.*
CHARLES M. MEEK, B.S.A.	*Chairman, Milk Control Board of Ontario.*
GEO. WILSON, B.S.A.	*Director, Co-operation and Markets Branch.*

ATTENDANCE

With an enrolment of 650 in the general agricultural courses, a record for attendance was established. Many of these students have secured not only their Junior Matriculation but have taken a number of Upper School subjects. The value of this advanced high school work is evident in the higher grade of work shown at the College.

Registration in all courses is being well maintained. The Regular Courses in Agriculture show the highest registration since their inception.

(Figures include all students who were in attendance during the period from April 1, 1938 to March 31, 1939.)

General Course	650	
Specialists in General Course Work	4	
Poultry Specialists (One Year Course)	2	
Animal Husbandry Specialists (One Year Course)	1	
Baking School	8	
Special Course in Horticulture (Four Months)	16	
Live Stock and Field Crops	274	
Poultry Raising	48	
Horticulture	118	
Apiculture	60	
Farm Mechanics	237	
Course in Co-operation	72	
Dairy Course (Three Months)	50	
Ice Cream Conference (February, 1939)	60	
		1600
Domestic Science (Macdonald Institute)	218	
Girls' Conference (Junior Women's Institute)	413	
Home Economics (Two Weeks)	4	
		635

SUMMER COURSE:—

Intermediate Course—			
1st year	52		
2nd year	104		
Specialists	26	182	
Elementary Course—			
1st year	209		
2nd year	307	516	
Farm Mechanics		27	
			725
Total			2960

ANALYSIS OF COLLEGE ROLL, 1938-9
(GENERAL COURSE IN AGRICULTURE)

FROM ONTARIO

Algoma	1	Kenora	2	Prince Edward	6
Brant	6	Kent	11	Rainy River	1
Bruce	4	Lambton	13	Renfrew	3
Carleton	49	Lanark	8	Simcoe	13
Cochrane	2	Leeds	5	Stormont	2
Dufferin	1	Lennox & Addington	4	Sudbury	3
Dundas	7	Lincoln	19	Timiskaming	2
Durham	10	Manitoulin	2	Thunder Bay	7
Elgin	23	Middlesex	29	Victoria	8
Essex	34	Muskoka	3	Waterloo	20
Frontenac	2	Nipissing	1	Welland	13
Glengarry	4	Northumberland	3	Wellington	48
Grenville	4	Norfolk	3	Wentworth	18
Grey	18	Ontario	8	York	92
Haldimand	8	Oxford	20		
Halton	10	Peel	21	Total from Ontario	600
Hastings	9	Peterborough	5		
Huron	9	Perth	10		

FROM OTHER PROVINCES OF THE DOMINION

Alberta	5	New Brunswick	3	Prince Ed. Island	6
British Columbia	8	Nova Scotia	2	Saskatchewan	4
Manitoba	2	Quebec	5		
				Total from Other Provinces	35

FROM OTHER COUNTRIES

Br. West Indies	1	Holland	1	U.S.A.	8
China	1	Scotland	1		
England	2	Turkey	1	Total from Other Countries	15

Total 650

The enrolment in Macdonald Institute, Trent Institute, Summer School for teachers, Dairy Short Course and other courses brought the total enrolment to 2,960.

The Two Year Course in Agriculture makes an appeal to a large number of boys interested in the practical side of farming. It is felt that this course will grow in importance from year to year.

The Two Weeks' Short Course held December 27 to January 6 had an attendance of 761. These young people have an opportunity of making contact with many departments of the College, securing information and getting a wider view-point on farm management and farm life.

Youth in Training Project

Under the Dominion Provincial Youth Training Scheme, 16 young men took the gardeners' course offered by the Department of Horticulture. These young men received an excellent training during the time they were here and are prepared to do some definite work in this special field.

DEPARTMENT OF ANIMAL NUTRITION

Animal Nutrition has received consideration and much work has been carried on in recent years in the departments of Chemistry, Poultry Husbandry and Animal Husbandry. In the hope of co-ordinating the work of the various departments in the fields of instruction, research and extension, a department of Animal Nutrition, with Dr. H. D. Branion as head, has been established.

With the approval of the Minister of Agriculture, an enlarged programme in this field of work will be undertaken. Every effort will be made to solve some of the problems found on Ontario farms and give to the people of the province greater assistance.

RESEARCH AND SERVICE

In addition to the work of instruction in the regular and short course, research, extension and service activities are carried on throughout the year by the various departments of the College. It is the constant endeavour of the College to be of help to the farmers in the solution of their problems. Some projects of interest are here summarized.

Cream Spoilage in Transportation

A study was made of cream deterioration in transit. It was found that cream cooled to 55 degrees F, even when held for four days on the farm, would retain its good quality during transportation. Cream of marginal quality when picked up at the farm, however, may be expected to depreciate in grade if it is exposed for four hours or more on the cream truck.

Cooking Temperatures in Cheese Making

Uniformity in manufacturing technique is necessary to maintain high quality in Ontario cheddar cheese. An investigation showed that temperatures used in cooking curds vary greatly in different parts of the Province. It was found that both texture and flavour scores were seriously reduced where cooking temperatures of 106 degrees F or higher were used in the manufacture of cheese from normal milk.

Whiptail of Cauliflower, a Disease New to Ontario

This destructive disease was found in Ontario for the first time this year and caused serious loss to cauliflower growers. Soil analyses indicated that this is a malnutritional trouble brought about by unfavourable soil conditions. Growers were advised how to correct the soil deficiencies.

Erban Oats Resistant to Smut

Erban Oats under conditions prevailing last summer proved 100 per cent resistant to both loose and covered smut.

A Safe Treatment to Prevent Seed-Borne Potato Diseases

Experiments have clearly shown that if directions are carefully followed, the acid corrosive sublimate is a safe and satisfactory seed disinfectant for the prevention of surface tuberborne potato diseases. The directions require the use of eight ounces of corrosive sublimate (mercuric acid) and one quart of hydrochloric acid to 25 gallons of water. The seed potatoes are to be immersed in this solution for ten minutes before they are cut, and immediately after treatment they are to be spread out to dry.

Valuable Information for the Growers of Canning Tomatoes

Ten years' investigations on the growing of canning tomatoes in Eastern Ontario have yielded much valuable information concerning the control of diseases, suitability of varieties, application of fertilizers, rotation of crops and methods of cultivation. This information has been made available to the growers by the publication of Bulletin No. 404, "Production of Quality Tomatoes in Eastern Ontario".

Pasteurization of Honey

Pasteurization of honey has been carried on for some time without definite knowledge as to the minimum time and temperature required to kill fermentation yeasts, with the result that much honey has been spoiled by overheating. A chart has now been prepared which shows the time and temperature necessary for effective pasteurization.

Soil Service and Surveys

More than five thousand soil samples were received at the soils laboratory. These were analyzed and reported on with recommendations for improving fertility.

Four major survey projects were carried out during the year. In Peterborough, Waterloo and Brant Counties systematic soil surveys were completed and maps prepared. These maps have been placed in the local office of the County Agricultural Representative for immediate use in extension work.

The survey of apple orchard soils in the Durham and Northumberland fruit belt revealed important relationships between soil character and tree performance. The occurrence of corky core in the fruit was found most frequently on the high line shallow soil types. The extent and development of the tree roots was found to be greatly influenced by depth and compactness of soil profile and the height of the water table.

Sudbury District Soils

A special investigation of the soils in the Copper Cliff, Coniston and Falconbridge areas has revealed the predominance of serious nutrient deficiencies and adverse physical conditions whch make for poor and unprofitable farm returns. This condition, however, could be greatly alleviated by the adoption of more thorough and scientific farming methods which are being successfully applied in the southern parts of the Province.

Gas Storage of Bartlett Pears

Five years of investigation, including a two-year commercial test of Bartlett pears in gas storage, have provided sufficient information to warrant the adoption of this method of storage by commerce. The fruit may be marketed in good condition throughout the winter season.

Greenhouse Soils Analysis Service

This service was organized in 1938 and became immediately popular. It appears to be of real value to those engaged in glasshouse culture.

Apple Bread

Experiments have shown that apple sauce or apple pulp can be incorporated successfully in the bread formula up to 25 per cent of the flour weight, using a modified bread formula and fermentation schedule.

Potassium Bromate as a Flour Maturer

It has been found that potassium bromate can be used commercially as a flour maturer and improver. This has already benefited a number of flour mills which are bromating their flour under the control of the Trent Institute.

Home Preservation of Fruits and Vegetables

Investigations have been carried out at the Macdonald Institute in co-operation with the Women's Institute Branch and the Department of Horticulture, of the O.A.C., on the varieties, methods and equipment most suitable for home preservation of fruits and vegetables.

Barley for Bacon Hogs

This was a co-operative project in which the Dominion Experimental Farm System, Macdonald College, and the Ontario Agricultural College participated. It was a continuation of the 1937 project reported under the heading "Comparative Feeding Value of Oats, Corn and Barley in Bacon Production". In the 1938 feeding trials, comparisons are listed in the report of the Department of Animal Husbandry.

Molasses Silage for Dairy Cows

Fifty pounds of molasses per ton of green mixed hay helps to make an excellent silage which can be used as substitute for corn silage to a reasonable extent.

Testing of Hens for Pullorum

More than 192,000 hens were banded and tested for pullorum in 571 flocks in the province. The test showed improvement over the previous year. Less than 1.5% of the birds reacted while 193 flocks had a clean test.

Electric Fence Units

Electric fence units which can be used on Ontario farms are proving practical. They serve in an excellent way for a temporary fence and have proved economical.

Farm Drainage

Four hundred and fifty-three farmers were given assistance on their drainage problems. Of the 259 farms surveyed, 209 installed the tile.

Legume Seed Inoculation

Over 455 legume seed cultures were distributed to farmers.

Plant Breeding

From previous crossings over twenty-four thousand individual plants of oats, twenty-eight thousand six hundred plants of barley and twenty-five thousand six hundred plants of winter wheat were under observation. Rigid selection was made from these populations and some extremely interesting material was secured for further observation and selection in the growing season of 1939.

Potato Flea Beetle

Of the several mixtures used in controlling the potato flea beetle, Bordeaux mixture and arsenate of lead and also Bordeaux mixture and arsenate of lime gave much the best results and were about equal in value. One application of either of these gave control through the danger period. None of the other materials controlled for more than a day or two.

SCHOLARSHIPS AND GIFTS

Jess C. Andrew Scholarship

Mr. J. C. Andrew of West Point, Indiana, has presented a scholarship of $100. to assist a needy student in the Two Year Course. This scholarship for 1938 was awarded to John Beam of Hickson, Oxford County, Ontario.

Year '31 Trophy

Members of the Class of 1931 have presented to the College a trophy in the form of a bronze model of "Bessie Mark", Clydesdale mare of the College. This trophy ,which is the work of Miss Jacobine Jones, well-known sculptress, is to be presented annually to the Year in Agriculture winning the greatest total number of points at the annual College Royal.

Short Course Gifts

The students attending the 1938 Winter Short Course donated $133.00 to be added to the fund which is to be used to secure equipment for the hospital in the Administration Building and pieces of silver to be used in Community House.

Gift from Macdonald Institute Classes

The Students' Council of Macdonald Institute for 1937-38 presented One Hundred Dollars for the purpose of establishing a fund to be used in installing modern and suitable lighting in the Common Room of Macdonald Hall.

Gifts of Paintings

During the past year the College has received a number of valuable paintings.

Mary Wrinch, A.R.C., (Mrs. G. A. Reid) made a gift to the College of six very lovely linoleum prints which now hang in Community House.

Mr. Duncan Campbell of Moffat, Ontario, presented an oil painting of the Shorthorn "Mystic Prince".

Professor Dan Jones, former Head of the Department of Bacteriology, gave to the College an oil painting of "Millhills Ransom" which was painted by himself.

Gift of Books from Mr. H. B. Cowan

Mr. H. B. Cowan, of Peterborough, Ontario, presented a number of bound volumes of the Canadian Live Stock Journal which have been placed in Massey Library. This completes the file of the Canadian Live Stock Journal, 1885 to Farm and Dairy, 1934.

Gift of Scientific Apparatus from Dr. G. E. Hall

Dr. G. E. Hall, a graduate of 1930 in the Chemistry Option, has made a gift to the College of a very valuable piece of chemical apparatus which is now being used to advantage in our laboratory in connection with the work in applied analysis of feeds and fertilizers.

This gift is appreciated as a reminder of the loyalty and goodwill of our students toward the College, even though they may be considerably removed from the field of Agriculture.

Gifts from Students' Council

The Students' Council has made several contributions which are of service to the student body and greatly appreciated by the College.

In co-operation with the Athletic Society and the Students' Co-operative Association, thirty-seven uniforms have been purchased for the members of the College band.

Several valuable band instruments were purchased through the cooperation of the Philharmonic Society and the Students' Co-operative Association.

In Creelman Hall, the Students' Council provided a large Charavay exhaust fan to be used as part of the ventilating system of the hall.

In Mills Hall and the Administration Building, equipment has been provided for the recreation rooms. A fireplace box, screen, bridge lamps and fire irons have been contributed.

Memorial Tablet for Professor W. J. Squirrell

In honour of the late Professor W. J. Squirrell, the class of 1902 provided a bronze tablet which has been placed in the College Gymnasium. The members of this class knew Professor Squirrell as a young man when he was interested in athletics. They knew him as a companion and friend. The tablet bears the following inscription:

"In memory of William J. Squirrell, B.S.A. who throughout his student days and his subsequent thirty years as a member of the College Faculty maintained an unceasing enthusiasm for manly sports. His personal skill and intense interest in athletic games made him a continuing tower of strength in College athletics until his untimely death in an automobile accident on July 25, 1936".

IMPORTANT EVENTS OF THE COLLEGE YEAR

Farm and Home Week

More than 20,000 people from all parts of Ontario visited the College during Farm and Home Week, June 20-24. This record attendance is evidence of the interest taken by rural Ontario in the activities of the College. Programmes of interest to both men and women and a series of educational exhibits had been prepared by the various College departments; tours to experimental plots and discussion groups, conducted by members of the staff, gave individual farmers an opportunity to discuss problems of particular interest to them.

Convention of Official Seed Analysts of North America

During Farm and Home Week, June 20-24, the Association of Official Seed Analysts of North America met at the College for their annual convention. It was the first time this convention was held in Canada. The seed analysts represented eight Canadian laboratories and twenty-two laboratories in the United States. Seed testing, seed legislation and extension work were the main topics of discussion at several sessions of the convention.

Conference on Co-operation

On September 20-22, a Conference on Co-operation, inspired by the Hon. P. M. Dewan, Minister of Agriculture, was held at the College. The programme was organized and carried out under the leadership of Professor W. M. Drummond, head of the Department of Agricultural Economics. Among the speakers who addressed the 250 representatives were Hon. P. M. Dewan; Dr. G. I. Christie, President of the College; J. F. Booth, of the Economics Division, Department of Agriculture, Ottawa; Archie Leitch, Chairman of the Ontario Flue-cured Tobacco Marketing Board; George Wilson, Director of Marketing, Ontario Department of Agriculture; R. H. Mayberry, Vice-President of the Ontario Cheese Patrons' Association; A. B. MacDonald, St. Xavier University; H. H. Hannam, Secretary of the United Farmers of Ontario; R. J. Scott, President of the United Farmers' Co-operative Co. of Canada; David Munro of British Columbia; H. Mitchell, Department of Economics, McMaster University; E. J. Atkin, representing the South Essex Growers' Exchange; Hugh Bailey, President of the Dundalk Farmers' Co-operative.

In the words of Mr. Dewan, "Co-operation will not make any group wealthy; it may not even make them prosperous. Co-operative business efficiently carried on has, of course, monetary value. But it has something more when a proper approach is made to it by adequate study; it has a great social and educational worth. It brings groups together for a common purpose. It enables them to decide for themselves whether, without organization, they have been exploited; it gives them an opportunity to have a say in their own business and to have a hand in the solution of their own life's problems. Thus it makes for a happier people—which is most important".

Visit of Scottish Farmers

A group of 91 Scottish farmers visited the College on May 25. The visitors, members of the Glasgow and West of Scotland Agricultural Discussion Society, were entertained at luncheon in Creelman Hall where they were welcomed by the Hon. P. M. Dewan, Minister of Agriculture. A parade of livestock was held, and the members of the party visited the various departments of the College.

Agricultural Representatives' Conference

Agricultural representatives from every county in Ontario met at the College on June 13 for their annual conference. Several of the sessions were held jointly with the Canadian Seed Growers, who were meeting at the College that week. The representatives also held demonstrations in conjunction with the Yorkshire Breeders, who were holding their annual meeting at the College.

Sixtieth Anniversary of the Experimental Union

On January 5, 1939, the Ontario Agricultural and Experimental Union held its Sixtieth Anniversary. A well attended meeting was held in Memorial Hall at the Ontario Agricultural College at which sixteen past presidents of the Union were guests.

Visit of Sir Earl Paige

Sir Earl Paige, Deputy Prime Minister and Minister of Commerce for Australia, accompanied by Lady Paige and their son Donald, paid a brief visit to the College on August 8. The party was accompanied by the Hon. P. M. Dewan, Minister of Agriculture, and Mrs. Dewan. The guests were taken to the live stock pavilion where a special showing of the stock was presented. After a tour of several departments of the College, the distinguished guests were entertained at tea by members of the faculty.

Visit of the Lieutenant-Governor of Ontario

The Hon. Albert Matthews, Lieutenant-Governor of Ontario, accompanied by the Hon. P. M. Dewan, Minister of Agriculture, the Hon. Bona Dussault, Minister of Agriculture for Quebec, and Mr. Rene Trepanier, chief technical adviser to the Department of Agriculture of Quebec, paid his first official visit to the college on October 20. During the afternoon, the Lieutenant-Governor placed a wreath on the Memorial Tablet in the War Memorial Hall, with ex-service men acting as guard of honour.

Professor W. R. Graham Honoured by University of Toronto

Professor W. R. Graham, Head of the Department of Poultry Husbandry, received the degree of doctor of science from the University of Toronto at a special Convocation on October 14, 1938.

Professor Graham, an O.A.C. graduate of 1894, has been with the College since 1899. He is one of the leading authorities on poultry husbandry and this recognition comes as a result of his outstanding work.

Western New York 4-H Club Good Will Tour

Four hundred young people, members of 4-H Clubs from 13 western New York counties, visited the College, June 3 and 4. These people were taking part in a Canadian Goodwill Livestock Tour and visited a number of farms en route from Lewiston where they assembled.

Junior Farmers' Fertilizer Demonstration Contest

A special luncheon was tendered the winners of the prizes in the Junior Farmers' Fertilizer Demonstration Contest in the College Cafeteria, Friday, February 17th.

These Junior Farmers had competed in laying down tests of fertilizers with a variety of standard crops. Plans, fertilizers and instructions had been provided by the College and each man's work judged at his farm. This project has been worked out through the Department of Chemistry in co-operation with the Agricultural Representatives and the Eastern Canada Fertilizer Association.

Lord Elgin Visits O.A.C.

The Earl of Elgin, who was attending the Royal Winter Fair in Toronto, visited the campus November 16th accompanied by the Countess and their daughter. Upon arrival at the College the party was greeted by the College band together with members of the staff and student body. A parade of College live stock was held for the distinguished visitors who were especially interested in the Aberdeen Angus cow which was imported from the Earl's herd.

ONTARIO VETERINARY COLLEGE

CONVOCATION AND COMMENCEMENT EXERCISES

At the Convocation of the University of Toronto held on May 13th, 1938, the Chancellor, The Rt. Hon. Sir William Mulock, P.C., K.C.M.G., M.A., LL.D., conferred the degree of Bachelor of Veterinary Science (B.V.Sc.) on 56 graduates. W. R. Reek, B.S.A., Deputy Minister of Agriculture, delivered the address to the graduating class.

The Annual Commencement and Presentation of Prizes took place on November 9th, 1938, in the Assembly Hall of the College. The Hon. P. M. Dewan, Minister of Agriculture, in his address to the students stressed the importance of scientific training and diligent application as the basis for a successful start in life. A. E. Cameron, V.S., M.C., Acting Veterinary Director General, spoke briefly. He emphasized the increasing value of veterinary science in national development. The prizes won by students were presented by R. W. Gladstone, M.P. for South Wellington.

Student Enrolment

The number of students in attendance has again shown a noticeable increase. A total of 261 students were enrolled this session being an increase of 18 over the previous year. The attendance has now reached the highest level since 1915 and greatly exceeds the normal capacity of the building. An effort has been made to reduce the attendance by excluding students from outside of Canada. If the attendance is to be maintained at the present level additional accommodation will be necessary.

The Teaching and Executive Staff

The members of the staff of the different departments are as follows:

C. D. McGILVRAY, M.D.V., D.V.Sc., *Principal: Contagious Diseases, Sanitary Science.*
W. J. R. FOWLER, B.V.Sc., D.V.M.: *Anatomy and Surgery.*
H. E. BATT, V.S., B.V.Sc.: *Zoology, Histology, Meat Inspection.*
R. A. McINTOSH. M.D.V., B.V.Sc.: *Diseases of Cattle, Obstetrics, Therapeutics.*
F. W. SCHOFIELD, B.V.Sc., D.V.Sc.: *Pathology, Bacteriology.*
L. STEVENSON, B.V.Sc., M.S.: *Physiology.*
A. A. KINGSCOTE, B.V.Sc., D.V.Sc.: *Parasitology, Pathology.*
J. S. GLOVER. B.V.Sc.: *Poultry Diseases, Milk Hygiene.*
V. R. BROWN, B.V.Sc.: *Anatomy, Hygiene.*
G. CAIRNS, B.V.Sc., M.R.C.V.S.: *Sporadic Diseases, Hygiene.*
T. L. JONES, B.V.Sc., M.Sc.: *Bacteriology.*
A. F. BAIN, B.V.Sc.: *Bacteriology.*
F. J. COTE, B.V.Sc..: *Canine and Feline Diseases.*
J. K. BLAIR: *Jurisprudence.*
A. L. SHEPHERD: *Executive Clerk.*
MISS E. SLEEMAN: *Secretary.*
MISS L. NOTT: *Librarian.*
MISS M. URQUHART: *Stenographer.*

Courses of Study and Instruction

As a result of the increased attendance a further readjustment of the laboratory classes was necessary. The normal capacity of each laboratory section provides accommodation for approximately 35 students in each class, making a total of 140 students. This number has now been increased to approximately 65 students in each class, making a total of 260 students to be accommodated or a surplus of 120 students over the normal number. To meet this exigency all of the laboratory classes had to be divided into two sections. This necessarily doubled the class periods and duplicated the teaching time of the instructors. Each member of the staff has assumed this extra burden and the general course of instruction has been successfully maintained. A detailed outline of the regular course of study and instruction is contained in the college calendar which is distributed to those interested. In addition to the regular undergraduate course which is outlined in the college calendar, special short courses were provided as follows:

Special Courses

During the month of June a special course was provided in the interests of fur farmers. This was arranged in cooperation with the Ontario Fur Farmers' Association. The course comprised special lectures and demonstrations on the following subjects:

Essential Minerals for Fur Bearers.
Mink from the Viewpoint of the Fur Trade.
Mink from the Furriers' Viewpoint.
Mink Raising Problems.
Fundamentals of Successful Fox Farming.
Cooperation Between Rancher and Laboratory.
Discussion on Breeding.
Mink Farming in General.
A Summary of Observations of Infections on Fur Farms.
Fur Pelts:—Types and Markets.
Practices and Malpractices Observed During Routine.
Ranch Inspection.
Fox Raising Problems.

During the month of July a special course for practicing veterinarians was held in cooperation with the Ontario Veterinary Association. The course comprised the following topics:

Gross Anatomy of the Udder.
Physiology of Milk Secretion.
Pathology of Mastitis.
Plan for the Testing of Herds for Mastitis.
The Various Laboratory Tests for Mastitis.
Demonstration of Tests for Mastitis.
Sweet Clover Poisoning.
Diseases of Young Pigs.
Gastritis in Cats.
Calf Diphtheria.
Preventable Diseases of Swine.
Diagnosis and Treatment of Common Parasitic Diseases.
Mineral Deficiency Diseases.
Plans for the Control of Bang's Disease.
Researches on Joint-Ill of Foals.
Artificial Insemination.

During the months of December and January a series of lectures and demonstrations were given to students attending the Farmers' Short Course and Dairy Course at the Ontario Agricultural College. The course embraced the following topics:

Prevention and Control of Animal Insect Pests.
Mineral Deficiencies Affecting Farm Animals.
Preventable Diseases of Horses and Cattle.
Preventable Diseases of Sheep and Swine.
Care and Management of Breeding Animals.
Care and Management of the Young at Birth.
Cleaning and Disinfection of Stables.
Examination of Horses for Soundness.

Research and Investigation

While the College is essentially an educational institution, nevertheless a great deal of research and investigational work of much value has been done in the diagnosis, prevention and control of infectious diseases of animals. Some of the diseases receiving attention are briefly summarized herewith, and detailed reports of some are submitted as appendices.

Tuberculosis in the Horse: While common in cattle, Tuberculosis on the other hand is rather unusual in horses. The horse referred to showed clinical symptoms manifested by discharge from the nostrils, cough and distressed breathing, emaciation and enlargement of the cervical lymph glands. It reacted to the tuberculin test. It was negative to the mallein test. Post mortem and laboratory examination confirmed the diagnosis.

Joint-Ill of Foals: An extensive investigation was made into this disease of foals. Valuable knowledge with regard to the etiology of the disease as it occurs in this province was obtained. As a result of this a suitable biological treatment has been prepared and widely distributed for use in the prevention of this serious infection.

Encephalomyelitis of Horses: This disease which is commonly known as "Sleeping Sickness" was reported affecting horses in the Counties of Lincoln, Welland, Brant and Waterloo. The occurrence of these cases was thoroughly investigated and researches undertaken to determine the type of virus present. Every effort is being made to cope with any further outbreaks. Directions were issued as to the desirability of preseasonal vaccination of horses in the affected districts. A detailed report of the investigation undertaken is submitted separately.

Blackleg of Cattle: Outbreaks of Blackleg among stabled cattle during the winter months seem to be increasing in frequency. Their occurrence during the winter is apt to be misleading from the standpoint of diagnosis. Verification of the true nature of the disease is essentially a laboratory procedure. Several outbreaks were investigated during the past winter.

Hemoglobinuria of Cattle: Further research was carried on into this disease commonly known as Red Water of Cattle. The disease was unusually prevalent during the late fall months. An interesting observation was made that in many cases there is a definite reduction in the blood phosphorus. The relationship of this condition to the disease has not yet been ascertained.

Scrapie of Sheep: A case of suspected Scrapie in an imported sheep was kept under observation at the college until the diagnosis was confirmed and a post mortem examination made. This is the first case of this disease to be reported in Canada.

Pulpy Kidney Disease of Sheep: Several cases of this disease of sheep were investigated and preventive measures instituted. This disease has only recently been recognized, but in all probability has existed among sheep in this country for some years.

Stiff Lamb Disease: The exact nature and cause of this disease of young lambs is not definitely known as yet and is deserving of further study as to its probable cause and prevention.

Avian Plague: A serious outbreak of this disease involving several hundred birds in a large aviary was investigated. The cause of the disease which proved to be a virus was isolated. Typical cases of the disease were produced by inoculating healthy birds with the virus.

EXTENSION SERVICE

This service has been promoted to furnish specialized assistance in the diagnosis, prevention and operative treatment of diseases in all classes of animals. It has been developed along such lines of usefulness as seemed to be most effective and desirable and to furnish clinical and laboratory material for teaching and demonstration purposes in class work. It thus serves a twofold purpose and has also been made more or less self-sustaining by making a nominal charge to cover any expense incurred where the service rendered is of an individual commercial nature. The nature and extent of the services rendered are briefly summarized as follows:

Animal Clinics: These clinics are held regularly each week throughout the College session. All animals admitted are carefully examined and medical treatment is prescribed and surgical operations performed as may appear desirable. The value and importance of the service rendered is manifested by the large number of animals receiving attention. The cases selected were quite varied in character and included all species of animals, comprising upwards of 225 horses, 150 cattle, 100 swine, 100 sheep, 150 dogs and cats. Details of the services rendered are contained in a report of the clinical department which is submitted as an appendix.

Radiodiagnostic Examinations: Many X-ray examinations have been made and found to be of great value in ascertaining abnormalities unrecognized by other means.

Examination of Seminal Fluid: An increasing number of semen samples from stallions and bulls have been examined for sterility or genital disease interfering with reproductive functions.

Diseases of Fur-bearing Animals: Extension work has been undertaken in the diagnosis and control of diseases on fox and mink ranches. Over 100 fox and mink carcases from different ranches were examined during the past year. The majority had died as result of feeding tainted food. Special reports on Food Poisoning and Septic Arthritis in Foxes and Mink are appended separately.

Bang's Disease (Contagious Abortion) : Extension work has been carried on for the control of this disease in cooperation with owners and their veterinarians under the following plans:

Plan A—By testing the herd and removing the reactors.

Plan B—By testing the herd and segregating the reactors separately.

Plan C—By the adoption of calfhood vaccination.

A total of 128 herds, comprising 4450 cattle, were included under these plans and the results are described in a separate report which is appended.

Experimental Control of Mastitis: This extension work was arranged to determine the possibility of developing a field plan for the control of Mastitis in dairy herds. Eighteen herds comprising 283 cows were included in the plan. The details are given in a separate report as an appendix.

BIOLOGICAL LABORATORY SERVICE

Preparation of Antigen: Eighty-two thousand nine hundred test doses of *S. pullorum* antigen and positive and negative control sera were prepared and supplied to registered veterinarians for the agglutination test for *S. pullorum* infection. Eleven thousand six hundred and ten test doses of *Br. abortus* antigen were distributed to qualified veterinarians for the agglutination test for infectious Abortion of cattle (Bang's disease).

Joint-Ill Vaccine: A polyvalent vaccine was prepared for the inoculation of pregnant mares for the prevention of Joint-Ill in the foal. Sufficient vaccine was distributed for the treatment of 850 mares.

Serological Tests: These are commonly known as blood tests and are widely used for the diagnosis of Infectious Abortion in cattle (Bang's disease). During the year, 26,487 blood samples were submitted to the agglutination test for Bang's disease. Included in this number were 2069 blood samples from cattle intended for export or for exhibition purposes.

The results of these tests are as indicated in the following table:

BLOOD SERUM TESTS FOR BANG'S DISEASE

Number of samples tested	26,487
Number positive	3,925
Number doubtful	1,043
Number negative	21,265
Unfit for testing	254

POULTRY LABORATORY SERVICE

This consists chiefly in the routine examination of diseased poultry sent or brought to the laboratory. No serious outbreaks of disease were encountered, but the incidence of coccidiosis, pullorum disease of chicks and nutritional ailments remains at about the same level. In a great many instances these conditions could have been prevented if proper control measures had been employed.

Advice is always given as to the handling of the flock to prevent the spread of infectious diseases.

The number of specimens received during the past year is greater than that of the previous year and the diseases dealt with are shown in the following list:

Disease or Condition	Number of Cases
Adult Pullorum Infection	80
Ascites	9
Avian Diphtheria	14
Coccidiosis	343
Colds and Roup	65
Enterohopatitis (Turkeys)	45
Enterohopatitis (Chicken)	45
Enterohopatitis (Other Birds)	3
Fowl Cholera	43
Laryngotracheitis	32
Leucosis	96
Pullorum Disease of Chicks	443
Tuberculosis	30
Other Infections	32
Torsion or Volvulus	3
Egg Bound	2
Internal Laying	16
Enteritis	41
Ruptured Oviduct	3
Impaction	5
Injuries	22
Nutritional Conditions	289
Prolapse	4
Ruptured Liver	15
Tumours	48
Worms (Ascaridia)	67
Worms (Capillaria)	24
Worms (Large Tapeworms)	68
Worms (Minute Tapeworms)	56
Worms (Round & Tapeworms)	56
No Evidence of Disease or Putrid	132
Total	2131

GENERAL LABORATORY SERVICE

This work involved the preparation and microscopical examination of over 750 tissue specimens, the majority of which were from cases of Joint-Ill, malignant growths, bacterial and parasitic diseases. In addition laboratory examination was made of samples of water, milk, meat and other food products. During the year specimens were received and examined as indicated in the following tables:—

PATHOLOGICAL AND BACTERIOLOGICAL EXAMINATIONS

Nature of Case	Cattle	Sheep	Horses	Swine	Dogs	Cats	Rabbits	Birds	Goats	Fox	Mink	Water	Feed Samples	Meat	Totals
Parasitic Infestation ..	3	5	5	4	6	..	..	2	2	1	..	..	..		28
Coccidiosis	7	..	..	..	..	..	1	..	..	..	1	..	..		9
Neoplasms	15	..	12	1	37	2	..	1	..	..	..	..	..		68
Pasteurella Infection ..	8	10	..	43	..	1	1	3	..	..	1	..	..		67
Brucella Infection	6	..	1	..	..	..	..	..	..	..	..	..	..		7
Necrophorus Infection ..	3	1	1	6	..	..	..	..	..	..	..	..	..		11
Suipestifer Infection	..	..	..	4	..	..	..	..	..	..	..	..	..		4
Influenza	..	..	..	8	..	..	..	..	..	..	..	..	..		8
Blackleg	8	..	..	..	..	..	..	..	..	..	..	..	..		8
Erysipelas	..	..	..	8	..	..	..	..	..	..	..	..	..		8
Scours of Newborn ...	6	..	..	31	..	..	..	..	..	..	..	..	..		37
Joint-Ill (Foals)	..	..	66	..	..	..	..	..	..	..	..	..	..		66
Abscess	6	..	4	..	6	..	..	..	..	..	..	..	..		16
Pyemia, Septicemia ..	4	..	..	6	3	..	..	2	..	4	...	..	..		19
Metritis	2	1	1	..	..	..	..	..	..	..	..	..	..		4
Mastitis	162	..	..	5	..	..	..	..	..	..	..	..	..		167
Hepatitis	8	..	2	..	..	..	..	..	..	1	2	..	..		13
Pericarditis	4	..	..	..	..	..	..	..	..	..	..	..	..		4
Pneumonia	7	1	1	1	1	1	..	..	..	4	10	..	..		26
Gastritis and Enteritis.	9	..	1	14	5	6	1	..	..	..	2	..	..		38
Nephritis, and other Kidney Diseases	13	7	..	..	1	..	..	..	..	..	..	..	..		21
Tonsilitis	..	..	..	..	3	..	..	..	..	..	..	..	..		3
Contunctiritis	..	..	..	..	5	..	..	..	..	..	..	..	..		5
Distemper	..	..	..	..	1	2	..	..	..	..	..	..	..		3
Tuberculosis	3	..	1	..	..	..	..	..	..	..	..	..	..		4
Actinomycosis	4	..	..	1	..	..	..	..	..	..	..	..	..		5
Actinobacillosis	3	..	..	..	..	..	..	..	..	..	..	..	..		3
Food Poisoning, Botulism	..	..	3	..	..	..	..	2	..	6	5	..	..		16
Encephalomyelitis	..	..	15	..	..	..	..	..	..	..	..	..	..		15
Deficiency Diseases	..	3	..	5	..	..	..	..	..	..	1	..	..		9
Urine Tests	3	..	2	..	..	..	..	..	..	..	..	..	..		5
Haemoglobinuria	52	..	..	..	..	..	..	..	..	..	..	..	..		52
Blood Examination, Anemia, &c.	18	..	4	51	..	..	..	..	..	..	..	..	..		73
Hodgkin's Disease	..	..	..	..	2	..	..	..	..	..	..	..	..		2
Seminal Fluid	2	..	1	..	..	..	..	..	..	..	..	..	..		3
Milk Samples	200	..	..	..	..	..	..	..	..	..	..	..	..		200
Chemical Poisoning ..	2	..	..	..	5	2	..	..	..	..	..	..	..		9
Miscellaneous	7	1	..	4	4	..	..	46	..	1	..	9	4		76
Total	565	29	120	192	79	11	3	56	2	17	22	9	4		1112

Throughout the year an immense volume of correspondence has received attention as well as daily personal interviews with those seeking advice. The demand for veterinary services, including research and extension work, has noticeably increased.

During the college session the entire staff have been kept busily engaged and have performed their duties in a diligent and competent manner. A high standard of efficiency has been maintained in all departments and at a minimum cost to the Province.

KEMPTVILLE AGRICULTURAL SCHOOL

The people of Eastern Ontario are generally becoming aware of the important place this school plays in the Agriculture of the Province, not only as an Agricultural, Home Economics and Dairy School, but as a centre of extension work—and many requests relative to Home Beautification, Soil Testing, Poultry Diseases, Field Crops, Livestock and Dairy Problems and those subjects pertaining to Home Economics, have been received.

The attendance in all branches was very satisfactory and it was impossible to accommodate all those making application.

The enrolment from April 1st, 1938, to March 31st, 1939, was as follows:—

AGRICULTURE		
Senior Year (two-year Course)	26	
Junior Year (two-year Course)	38	
Short Courses Marketing and Veterinary Sc.) Soils and Fertilizers)	28	
Public and Separate School Teachers' Summer Course	279	371
HOME ECONOMICS		
Homemakers—One Year Course	21	
Home Economics—Two Year Course	13	34
EASTERN DAIRY SCHOOL		
Cheese and Buttermakers' Winter Course	38	38
Total		443

The Extension Service included the supplying of speakers, advisers and demonstrators for Livestock Breeders' Meetings, Field Crop Meetings, Horticulture and Home Beautification projects, Fertilizer and Soil Testing Demonstrations, Women's Institute Meetings, Cheesemakers' Conventions, Poultry Meetings and Demonstrations.

A Field Service is maintained for Poultry, Soils and Fertilizers, Drainage, Live Stock, and Field Crop Problems, and as evidence of the popularity of this service, it was impossible to meet all demands.

Changes in Staff

Mr. James C. Shearer, B.S.A., principal from December 1935 to September 1, 1938, was transferred to Huron County as Agricultural Representative, and Mr. M. C. McPhail, B.S.A., Assistant Director of the Agricultural Representative Branch, Toronto, was appointed principal from September 1st., 1938.

Students' Royal Show

One of the outstanding events of the year was the K.A.S. Royal, a student show at which they exhibited Field Crops, Iron, Wood and Leather Work, Home Beautification Plans, Weed and Insect Collections and other phases of school work, and entered into competition in Live Stock Showmanship, Demonstration Contests, Educational Displays, and Clean Milk Competitions.

The winners were as follows,—

Sheep	Raymond Poole—Lanark County
Swine	Keith Boyd—Grenville County
Beef Cattle	Keith Boyd—Grenville County
Dairy Cattle	J. D. Moore—Peterborough County
Horses	Jas. McAllister—Frontenac County
Field Husbandry	Keith Boyd—Grenville County
Horticulture	Raymond Poole—Lanark County
Milking Contest	Miss Jeannette Hass—Renfrew
Educational Exhibit	Home Economics Group

The show was well attended by Live Stock Breeders, their wives, and others interested in the students and school. The Home Economics Division entertained the visitors to luncheon and tea in the Students' Residence.

Throughout the year cooperation to the school was given by the following,—

Central Experimental Farm, Ottawa
Dominion Livestock Branch
Ontario Livestock Branch.
Agricultural Representative Branch
Women's Institute Branch
Ontario Markets and Cooperation Branch
Federal Health of Animals Branch, Ottawa
Dairy and Cold Storage Branch, Ottawa.
Agricultural Press and Daily and Weekly Papers throughout Ontario.

Through the generosity of interested parties, scholarships were donated by the following,—

The Ottawa Farm Journal
George T. Fulford, Brockville
Rt. Hon. Geo. P. Graham, Brockville
W. B. Reynolds, M.L.A. Brockville
J. I. Robinson, Vice-Pres. Crane Limited, Montreal.
Ottawa Kiwanis Club
Renfrew Junior Farmers Club
Cornwall Agricultural Society
Lochiel Junior Farmers' Association
W. B. George, B.S.A., Kemptville
Glengarry & E. Stormont Plowman's Association

HOME ECONOMICS DIVISION

This year the Home Economics Division has conducted two courses—The Homemakers and the Two-Year General Home Economics. Due to lack of accommodation, it was impossible to admit all students who made application. It was necessary to limit the enrollment to 33 students, as follows,—

6 Seniors

8 Juniors

19 Homemakers

These classes have been given lectures in,—

(1) Foods, Nutrition and Meal Service
(2) Clothing, Textiles and Applied Arts
(3) House Furnishings & Textiles
(4) Health Education and Child Development
(5) Economics & Family Relations
(6) Chemistry, Dairy Science, Bacteriology, and English
(7) Catering to the Tourist Business.

This year the programme has been more adequate, with the addition of lectures in Child Development. Some kindergarten equipment has been placed in the Home Economics class room and the students have brought in children for observation groups.

There has been a general response to the work that this division has been doing in the preparation of students for openings in the field of the Tourist Business. Students have been successfully placed and employers are applying to the school for graduates .

The members of the staff have acted as judges at rural fairs, made a survey of the openings for graduate students in the field of the tourist business, and have acted upon the Publications Committee for the Women's Institutes Bulletin on Canning; conducted students' educational tours; attended District annual meetings and Area Conventions of the Women's Institutes; gave addresses on Home Economics topics to Women's Institute Meetings, aggregating approximately 300 people. Some 700 people have been guests of the Home Economics Division during the year when they visited the Demonstration House and the Laboratories. The first school for Women Judges at Fall Fairs, which was held in connection with the Agricultural Societies Branch, was a well attended and most successful venture.

This division has supervised the Students' Residence and the staff, which includes a dietician, cook, laundress, two hall maids and seven waitresses.

DIVISION OF ANIMAL & FIELD HUSBANDRY

Pure Bred Livestock

The chief addition of the year was the purchase of the six year old Holstein Bull, Montvic Posch Rag Apple 2nd. This proven sire has 12 qualified daughters to his credit, all with high R.O.P. records. Line-breeding will be practised as the Holstein herd includes 12 half-sisters carrying much the same blood-lines as the new sire.

All milking females of Holstein, Ayrshire and Jersey breeding are entered in R.O.P. and during the year 20 cows and heifers qualified.

The highest ranking animal in each herd is as follows,—

1. Holstein—Pontiac Toitilla Koba, Mature subdivision B. 17,283 lbs. milk, 601 lbs. fat, av. test 3.48 in 365 days.
2. Ayrshire—Auchenbrain Miss Craig 86th (imp.)
   3 yr. old, 11,622 lbs. milk, 527 lbs. fat, av. test 4.53 in 365 days
3. Jersey—Maple Road Standard Fluff
   Mature—9,312 lbs. milk, 535 lbs. fat, av. test 5.75 in 365 days.

The flock of Shropshire sheep was reduced from 24 to 12 ewes. The service of an outstanding show ram was secured for the season in an endeavour to improve the conformation, breed-character and quality of the ewe flock.

Six Leicester ewe lambs were secured in order to give the students a more definite idea of this popular breed of long-wooled sheep.

The Pure Bred Yorkshire herd made a satisfactory showing during the year. Two aged sows, Hitson May (Imp.) and Wildwood 42N qualified in Advanced Registry, while the other sows produced large uniform litters.

The imported English Boar, "Wall Majesty 14," is proving highly satisfactory and is crossing well on the English and two Scotch sows, as well as on the Canadian Bred sows. During the year 26 young bred sows and 20 Boars were sold to Eastern Ontario farmers for breeding purposes.

Commercial Livestock

During September and October, seventeen head of grade beef heifers were purchased with a three-fold purpose in mind—

1. To provide satisfactory breeding and market classes for judging purposes with the regular students.
2. To demonstrate proper methods of handling and showing, as well as caring for and feeding beef cattle.
3. To provide a means of marketing surplus hay and ensilage grown on the school farm.

The lot consisted of six Aberdeen-Angus, six Herefords and five Shorthorns. During the winter they were weighed periodically with an accurate record kept of the feed consumed. When marketed, the figures on comparative cost of gain will be of interest to students and farmers interested in feeding Beef Cattle. The majority of carcasses were graded "Red" by Dominion Government graders.

Six Oxford and seven Southdown lambs were added to the Shropshire wether and cull ewe lambs. This made a satisfactory pen of market lambs and they were frequently used for class room purposes in judging, grading, trimming and shearing.

Farm Crops

The usual crops common to this section of the province were grown on the school farm during the year.

Erban Oats were grown for the first time and gave satisfactory yields. The balance of the oat crop consisted of Registered Alaska which also gave splendid results. Eight acres of registered O.A.C. No. 21 Barley made up the remainder of the Cereal Crop.

Some 2½ acres of certified Irish Cobbler potatoes were grown, but owing to the drought, the yield was comparatively low.

From the standpoint of yield, hay was the outstanding crop of the year. A mixture of Alfalfa, Red Clover, Alsike and Timothy with Alfalfa predominating, proved highly satisfactory.

The corn and root crops were above the average.

Following is a summary of the crops produced,—

Alfalfa and mixed hay	230 tons
Erban Oats	585 bushels
Registered Alaska Oats	608 bushels
Registered O.A.C. No. 21 Barley	357 bushels
Mixed Grain	2400 lbs.
Irish Cobbler Potatoes	165 bushels
Ensilage Corn	238 loads
Mangels	35 tons
Turnips	8 tons
White Carrots	2 tons

Seed Cleaning Plant

The seed cleaning plant was operated as a custom plant during the winter months. Following is a detailed account of the custom work,—

SMALL SEEDS

Sweet Clover	41,134 lbs.
Alfalfa	22,563 lbs.
Timothy	19,561 lbs.
Mixed Clover & Grass Seeds	6,955 lbs.
Red Clover	6,790 lbs.

GRAINS

Oats	72,804 lbs.	(2,141 Bus.)
Barley	22,076 lbs.	(460 Bus.)
Wheat	9,760 lbs.	(163 Bus.)
Flax	6,736 lbs.	(120 Bus.)
Beans	1,725 lbs.	(29 Bus.)
Buckwheat	700 lbs.	(15 Bus.)
Peas	135 lbs.	(2 Bus.)
Number of Farmers using Plant		230
Approximate receipts		$538.66

Extension Work

A considerable amount of extension work was conducted chiefly during the summer months. Summarizing this work, it is divided into 3 main groups—

1. Field Days—Breed Associations and Field Crop Field Day at wheih the Division assisted.
2. Meetings—Live Stock and Field Crop meetings either addressed or attended by the Division in an executive capacity.
3. Fairs—Fairs attended when the Division acted as Judge.

No. of Field Days attended	21
No. of Meetings attended	20
No. of Fairs judged	17

DIVISION OF CHEMISTRY, SOILS AND FERTILIZERS

During this period the work of the Division consisted of,—

(a) Laying out and supervising various demonstration plots; (b) Attending Field Meetings; (c) Analyzing Soil Samples.

Demonstration plots during 1938 were conducted in the following Counties,—

Frontenac	2
Leeds	6
Lanark	6
Grenville	6
Dundas	9
Stormont and Glengarry	5
Prescott & Russell	7
Carleton	7
Renfrew	6

Boys' Potato Clubs (using fertilizers) were conducted with 15 contestants in Renfrew County and 20 contestants in Carleton County.

A total of 686 samples of soil were received, analyzed and a report forwarded to the farmers with recommendations based on the analysis.

Nine Short Courses and meetings were addressed with a total attendance of 305.

DIVISION OF FARM ENGINEERING AND DRAINAGE

From May 1st. to freeze-up in the Fall, this division acted as drainage supervisor in Eastern Ontario, working under the direction of the Drainage Department, O.A.C. Guelph, Ont. During the year—84 visits were made, of which 29 were advisory, 4 inspections totalling 13,596 ft. and 51 preliminary surveys for which 147,166 ft. of profile were made. This included 5 award ditches. In addition 170 acres were systematically surveyed, thereby laying out 111,013 ft. of drains.

The Tile Drainage Act was made use of to a greater extent than last year.

Plowing Competition and
Demonstration, October 1938.

A Plowing Competition was held with the Senior Class and 26 students competed.

On Oct. 21/38 through the cooperation of the Agricultural Societies Branch, L. H. Winslow, a director of the Provincial Plowing Match, judged the plowing and conducted a successful demonstration in plowing for match work with the Junior class.

Explosives Demonstration Oct. 30/38.

Through the cooperation of the Canadian Industries Ltd., instruction and practice was given to the senior class in the handling of explosives and their use in blowing out stumps and breaking stones.

Tractor Demonstrations

Frost & Wood Co. Ltd. loaned one of their expert mechanics to demonstrate their Hart Parr Tractor to our senior students. The Ford Motor Company demonstrated their Fordson Tractor to our students and showed moving pictures.

During the year 11 meetings were attended at which there was a total attendance of 403.

POULTRY DIVISION

The usual lectures on Poultry were carried on with the regular courses in Agriculture, Short Courses and the Teachers' Summer School.

In addition, a start was made on a course in Farm Meats.

The number of birds on the plant was increased somewhat this year and some good records made. So far, this Spring, hatches have been extremely good, being over 75% of eggs set. A start has been made at improving the Poultry Plant and further work is contemplated during the coming year.

DIVISION OF HORTICULTURE

During the past year lectures were given in Pomology, Vegetable Gardening and Floriculture, together with practical instruction in these branches of Horticultural work, as far as seasonal conditions permitted. A course of lectures in general Botany and Plant Pathology with related laboratory work was carried on.

Illustrated talks were given to a number of clubs, Institutes and other organizations on a variety of Horticultural subjects, more particularly on the subject of Farm Home Improvement, owing to the generally aroused interest in this subject. The extension work was of necessity of a general nature.

For some years past, assistance has been given in cooperation with several School Inspectors, to a number of rural schools that have been selected for general improvement and development. A quantity of surplus material taken from the ornamental perennials on the grounds of the Agricultural School, has been sent out to these schools.

The hardy or double-worked apple orchard started in a small way two years ago, through the interest of the Federal Horticultural Division of the Department of Agriculture, who donated the stock for planting, was added to by further donations of nine varieties suitable to the Eastern Districts of Ontario.

EASTERN DAIRY SCHOOL DIVISION

The 45th session of the Eastern Dairy School achieved a record attendance for the full three months' course. Thirty-eight students registered and completed their examinations and 36 received the school diploma.

The attendance taxed the present accommodation and six applicants had to be refused admission. Eleven counties were represented in the registration, namely—Carleton 5, Dundas 2, Frontenac, 5, Glengarry 3, Grenville 2, Hastings 11, Lanark 3, Leeds 2, Lennox 1, Prescott 3, Stormont 1. In addition there were 26 visiting students who attended for special weekly lectures.

The Montreal Provision Trades Association Branch of the Montreal Board of Trade again donated $100. to be distributed in prizes as an encouragement to the students and recognition of the valuable work carried on by the school.

The school conducted a Cheesemakers' Short Course at Selby near Napanee, with a total attendance of 251 of whom 75 percent were cheesemakers. This course was similar to the one conducted at Casselman in previous years and was greatly appreciated by the cheesemakers of Central Ontario. Two one-day Instruction Courses were held at the school for Creamerymen and Buttermakers with registrations of 32 and 65 respectively.

HORTICULTURAL EXPERIMENT STATION, VINELAND

RESEARCH PROJECTS

A study of the Extent to which Apple Orchard Cultivation May Economically be Reduced: For years there has been a growing conviction among most Horticultural Station workers that cultivation has been carried on much longer than results warrant. Experiments on good orchard soil showed a sod mulch system of soil management was satisfactory, but as this was such a radical change from the usual methods, few were prepared to make the change. There are also other objections such as fire hazard, certain insects breeding in mulch, and protection for mice, which suggested the need of other cultural systems.

In 1928 therefore, in an orchard planted in 1921, an experiment was started to compare a minimum period of cultivation with the then accepted regular method of clean cultivation until mid-July. The comparison was therefore between (1), cultivation until May 15 and seeding to a green manure crop and (2), cultivation until July 15 and then seeding. The orchard had made very uniform growth and received uniform treatment until 1928. Except for the difference in soil management the orchard operations have been uniform. Therefore any differences in yield can be credited to differences in amounts of cultivation.

As will be seen from Fig. 1, the extra cultivation has, except for Duchess, increased yields to a limited extent. The colour of the fruit from the minimum cultivation plots has always been much superior to

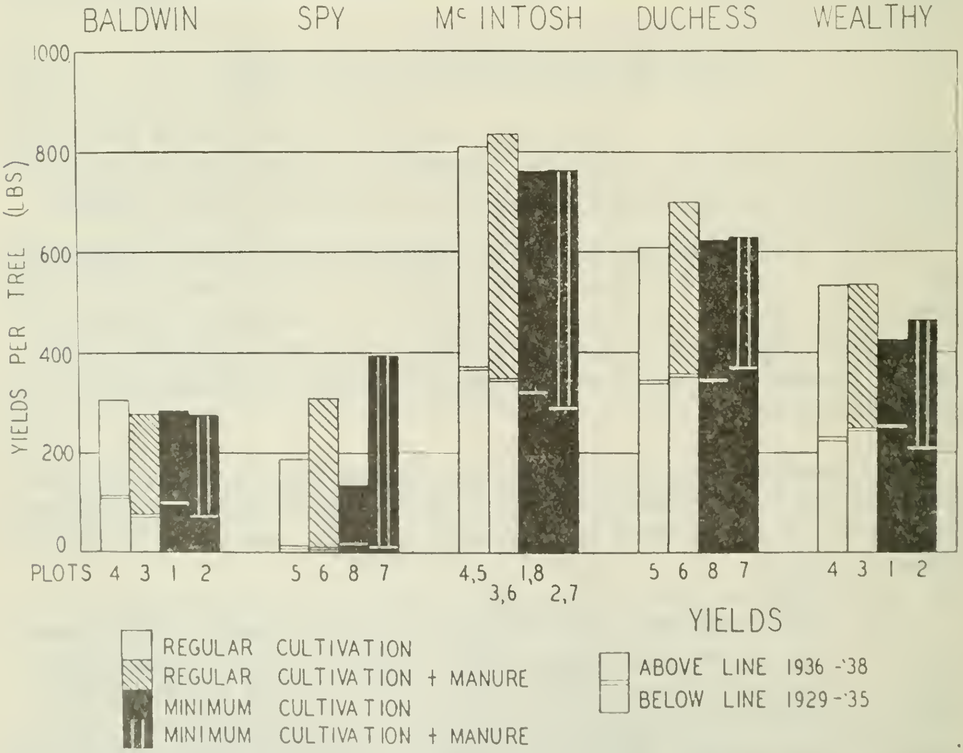


Fig. 1.—Average yields per tree (lbs.) of several apple varieties under minimum and regular cultural treatments with and without barnyard manure.

that from the plots receiving regular cultivation. Even though the extra cultivation has increased yields, considering reduced colour and cost of working the land it is doubtful if this extra cultivation has been profitable. This experiment thus indicates that most growers could, to their economic advantage eliminate much of the cultivation now given.

Another point noteworthy in this experiment is that regular clean cultivation has greatly increased the percentage of autumn "drops" in McIntosh. Since 1935, records of drops and picked fruit have been kept separately and while the total yield has been increased by the extra cultivation in the regular or check plots, the percentage of drops has been increased to a greater degree.

Average Yield per Tree (lbs.), 1935-38

	Total	Picked	Drops	% Drops
Regular Cultivation	579	311	268	46
Minimum Cultivation	489	372	117	24

The land on which these trees are growing had been under cultivation for a long time before the trees were planted, and the soil was poor. Heavy applications of mineral fertilizers did not show any tree response. It was decided to ascertain what influence an application of barnyard manure would have on tree growth. The four center rows which cut across all plots were selected. This included 6 trees of each variety under each treatment. In the fall of 1935 manure at the rate of 20 tons per acre was applied. During 1936 no real differences could be detected and an additional 20 tons was applied that fall. In 1937 the difference in green manure crop growth was very evident and benefits were beginning to be reflected in better foliage colour of the trees. In 1938 this latter response was very evident.

Differences in tree yield are now also evident but it is of interest to observe in Fig. 1 how the different varieties have responded. Yields are shown from 1929-35 and 1936-38 to indicate the effect of manure. In nearly all cases the yield has been increased but Spy has made the most response. With McIntosh the value of the extra yield has been offset by increased drops and in the case of regular cultivation plus manure keeping quality and colour have also been reduced.

Baldwin has made little response and the low total yield of this latter variety is worth noting. Spy, although slow in coming into bearing, is catching up in yield and where manure has been applied has passed Baldwin.

Soil Analysis: The analytical work of the soils laboratory was continued during the past year. A total of 495 farmers' samples were analyzed and reports made on these analyses. The analytical work in connection with Project No. 271, "A Study of the Extent to which Apple Orchard Cultivation may be Economically Reduced", was continued and soil moisture and nitrogen determinations made. Nitrate Nitrogen determinations were also made for Project No. 361. "Soil Organic Matter Studies". Mechanical analyses and organic matter determinations were made for Project No. 291. "Jordan Grape Experiment".

Nutrition Studies with Peach Trees: Following the results of 1937 on the various anion-cation ratios of nutrient solutions this pot culture experiment was extended to include certain narrow ratios of nitrogen potassium. Trees were grown from single buds in four gallon glazed crocks filled with sterile silica sand to which the various solutions were fed by the flood method. The trees grew well but owing to the severe inroads of red spider mite many of the tests were ruined, necessitating repetition this coming year.

Time of Planting Grape Cuttings: Tests made in three successive years with Concord grape cuttings gave about ten per cent better stands from mid-April planting than from plantings made three weeks later. Some nurserymen deliberately delay the planting of their grape cuttings. Judging from our experiments they are not justified in doing so.

Pear Rootstocks: A test of French Pear seedlings and Angers Quince as rootstocks for several varieties of pear has just completed its sixth year in the orchard. In all but one instance the trees on quince rootstocks are smaller than those on pear rootstocks and in most cases they have been more productive than the latter, though usually the margin is not a wide one. Up to the present time trees on quince rootstocks have behaved similarly whether planted in deep or shallow holes. Trees on Quince C rootstocks after three years in the orchard are more dwarfed and have borne more fruit than trees on the ordinary Angers quince.

Transplanting of Peach Seedlings to Nursery Rows: Some nurseries plant their peach pits in the nursery rows in the fall of the year and bud the seedlings where they arise. Other nurseries plant their pits in beds and transplant the seedlings to nursery rows when they are 2-3 inches in height. The main claim made in favour of the latter method is that the transplanting discourages tap root growth and gives a nursery tree with more fine roots and fibre. Our experiments show that there is a very marked setback as a result of the transplanting no matter how carefully it is done. At budding time transplanted seedlings are only one-third to two-thirds the size of non-transplanted seedlings. As a general rule the later the transplanting is done the greater is the reduction in growth as a result of the transplanting. The size differences are carried over in reduced degree into the nursery trees, resulting in grade differences. In some years there were twice as many No. 1 trees on non-transplanted seedlings. Trees on transplanted seedlings had more small roots and fibre which was probably largely due to their smaller size. However, the price a nurseryman pays in reduced numbers of high grade trees in order to get a more compact root system is too great. At the end of two years in the orchard the differences between trees on transplanted and non-transplanted seedlings were not significant, which means that the differences seen in the nursery tend to disappear in the orchard.

Summer Pruning of Nursery Peach Trees: Removal of the lower laterals of nursery peach budlings by breaking them out is quite a common practice, but a few nurseries leave all lower laterals intact until after the budding season when they are removed with a knife. In comparing these two methods three year's results at this Station show no decided differences in grade of trees. However, having smoother trunks, the summer pruned trees appeared somewhat more attractive. There seems to be some danger of canker infection at wounds made after the budding season, i.e., in early September. As a precaution, this pruning should be completed during the first week in September.

Soil Organic Matter Studies: In the spring of 1936 a comprehensive experiment on building up organic matter content of a sandy loam soil was commenced at this Station. Various green manure crops and sods fertilized in several ways are being used. A three year summary now available indicates some interesting points. The rye-millet combination has given the greatest weight of dry matter per acre from above ground parts. Although alfalfa has given about three times the dry weight of bluegrass, the addition to the organic content of the soil has been about equal. Weeds have given almost as much dry matter as any of the other summer crops. Phosphorus and potassium have had only a slight beneficial effect but nitrogen has given marked responses particularly on weed growth. A half and half mixture of straw and legume hay has been a satisfactory substitute for barnyard manure as measured by the growth of two crops of buckwheat per season.

FRUIT BREEDING

Cherries: In plant breeding the question which must first be considered is the best way to use the varieties, whether as seed or pollen parents. Perhaps no definite answer can be given to meet all cases unless actual trials have been made. Occasionally, because of non-viable pollen or other functional weakness, the cross can be made only one way but on the whole the direction of the cross may be largely a matter of convenience.

In the report of the Minister of Agriculture for the year ending March 31, 1938, it was shown how, in crosses with McIntosh as the seed parent, the tree characteristics of the resulting seedlings were noticeably those of the pollen parent. In more recent work with sweet cherries an example of a lack of hardiness in seedlings has appeared where the variety was used both as seed and pollen parent.

During 1933 a block of seedlings of Bing crosses made splendid growth in nursery rows. Following the winter of 1933-34 the losses from winter killing were most severe. Only eight per cent of Bing x Black Tartarian and twenty per cent of Bing x Victor seedlings survived. The difference between crosses in the percentage surviving was due to location rather than to variety. Where the seedlings were under similar conditions winter killing was equally bad. Part of the Bing x Victor seedlings were in a more sheltered spot and there the injury was less. (This accounts for the higher perecentage alive).

In the nursery, Bing is classed as a tender variety and therefore it was perhaps to be expected that following such a severe winter as 1933-34 the casualties among the Bing seedlings would also be considerable. It was however unexpected that, following the winter of 1937-38, the percentage of casualties where Bing was used as a pollen parent would also be severe. Hedelfingen was the seed parent.

Hedelfingen Seedlings Winter Killed, 1937-38.
Counts were made May 27, 1938.

	Number of trees	Number dead	Percent dead
Hedelfingen x Bing	193	114	59.0
x Black Tartarian	163	36	22.0
x Victor	96	15	15.6
x Windsor	564	190	33.6

Part of the deaths of Hedelfingen x Windsor seedlings can be attributed to location as, at one end, these trees were on somewhat shallow ground. The high death rate in Hedelfingen x Bing seedlings indicates that tenderness is transmitted to the young seedlings through Bing pollen. Winter injury to older Bing seedlings has not been noted.

Peaches: No new breeding work was started during the past year. Final selection of the peach seedlings of 1925-29 breeding was made and a few were budded for further trial. Since the inauguration of the frozen fruit work at the Ontario Agricultural College all peach seedlings are sent there for freezing, and no trees are removed until this test has been completed. While this procedure delays final selection of the seedlings by at least two years it is a worthwhile procedure in the evaluation of any new peach variety.

Grapes: Final selection from a large number of grape seedlings which have been under test for some time was made during the past season. Because of the interest of some wineries in improving wine quality by the use of varieties other than Concord, some seedlings which are only useful for the making of wine have been retained. Therefore we have now two distinct grape types: one for the fresh fruit or market trade which might also have some possibilities for wine, and one for wine purposes only. In the latter class there are some already existing varieties which might receive further experimentation from the wine making standpoint. Also, some of our seedlings show definite promise of making high class wine, and should receive further testing along this line.

Strawberries: In strawberry breeding, numerous crosses have been made with many varieties used as parents and thousands of seedlings grown and fruited. The parentage of twenty of the more promising selected seedlings together with the number of progeny grown in each cross and the breeding numbers of the selected seedlings are given in the following table:

Parentage or Cross	Number of Progeny Grown	Breeding Numbers of Selected Seedlings
Admiral x 1563 (1)	680	180115
Early Ozark x Royal Sovereign	249	250813
Early Ozark x 180115 (1)	372	250949 2509185
Aroma (?) x Royal Sovereign	62	251124
Premier x Vanguard	160	270114 270176
Vanguard x 180115	160	270415
Premier x 180115	160	271755
Vanguard x Beacon	140	29022 29025
Parsons Beauty x Bliss	80	300816
Bliss x 180115	40	300921
180115 x Bliss	80	301037 301064
180115 x Marshall	240	301610
180115 x Boquet	120	301933 301988
180115 x Parsons Beauty	240	3020225
Missionary x 180115	160	302212

(1) Station seedlings kept for breeding.

No. 1563—Senator Dunlap x Early Ozark,

All of these selected seedlings have some worthwhile characteristics but only those that appear to have outstanding value are likely to reach final commercial test. Several of them appear to be of use in certain definite ways. For example, seedling 301037 has particular value for the frozen fruit trade. Tests made for several years by the Department of Horticulture at the Ontario Agricultural College have shown this seedling to be superior to any other variety so far tested for this purpose. Seedling 301988 also has some value for freezing. Seedling 270114 looks like a good early sort and 270176 and 2509185 also are early. Another seedling, 270415, is a very easy huller and some others are of good quality with bright attractive appearance.

An analysis of the parentage in these crosses reveals the fact that one variety, Early Ozark, is one of the parents in all but two of the crosses, either as an immediate parent or as an ancestor. It does not appear in the crosses Aroma (?) x Royal Sovereign and Parson's Beauty x Bliss.

Owing to the prevalence of root-rot, which greatly reduces the vigour of strawberry plants and cuts down yields very considerably, it has been difficult to appraise the real value of strawberry seedlings, particularly during recent years. For this reason, undoubtedly some have been kept longer than necessary and others which should have been retained were discarded. However, with the recent development of a method for producing strawberry plants free from root-rot it has been possible to grow seedlings with clean roots and thus bring them back to their normal vigour and fruitfulness. Incidentally, it should be noted that this renewed vigour and fruitfulness is soon much reduced again if the plants are grown in soil that is heavily contaminated with root-rot organisms.

NUT GROWING

Since 1922 this Station has from time to time added to its plantation of nut-bearing trees and now has a fairly representative collection of the common sorts. These consist principally of black and English walnuts and filberts. Of black walnuts there are the following named varieties, Thomas ,Ohio, Stabler, McCoy and Ten Eyck; all of these are grafted trees. They were planted in 1922 and have been bearing for a number of years. The Thomas is probably the best and the Stabler the poorest. Several seedling black walnuts are growing satisfactorily but are not yet at the fruiting stage.

Three named varieties of English walnuts also were planted in 1922, viz., the Rush, Hall and Franquette. The two former have made reasonably good growth but have suffered occasionally from winter injury. They have borne nuts for several years but not in any great quantity. The Franquette variety has made poor growth and has suffered rather severely from winter injury. It has not borne any nuts and is of no apparent value for Ontario.

Several dozen English walnut seedlings of different ages are making fair to good growth and three or four of these are beginning to bear nuts. So far there has been little or no winter injury in these seedlings.

Three years ago fifty small seedling trees of the English walnut from Central Europe (introduced by Rev. Paul Crath) were planted. These are making good growth and show no sign of winter killing. On account of their reputed hardiness, it will be of great interest to watch these. A really hardy walnut of this type, that would consistently yield good crops of large high quality nuts would be a valuable acquisition for Ontario.

Of the early planting of filberts few have proven true-to-name. Two of these have been identified as Italian Red and Kentish Cob. However, they are not hardy and freeze back severely some winters. The rest are inferior seedlings of German origin. They are hardy but for the most part the nuts are too small. These would be of value as windbreaks as they sucker freely and soon form a fairly dense hedge eight or nine feet high and almost the same width. A collection of twelve of the more promising varieties of filberts was planted in 1936. Most of these have made good growth but so far they have not borne very many nuts. There are several seedling filberts that originated at this Station which show considerable promise. They yield well and the nuts are of very good quality with no coarseness or waste. These will be propagated in the near future.

In addition to the above there are a number of trees of various kinds of nuts growing on the Station grounds. These include Sweet Chestnuts (Chinese blight resistant), Hickory, Pecan, Heart-nut, the hybrid Hican and several other hybrids.

For several years a considerable number of nut trees, mostly black and English walnut and heartnut seedlings, have been distributed to people interested in planting nut trees. Also small lots of scion wood of English walnuts have been sent out.

Correspondence and personal enquiries received indicate increasing interest in planting nut trees in Ontario.

VEGETABLE BREEDING

Breeding work with the Italian types of tomato has progressed to the stage where some selections can be tested for canning qualities in 1939. Some new crosses were made in 1938. Selections from these will have to be grown for several generations before canning tests can be made. It should be realized by all growers that a new hybrid requires approximately nine or ten generations of careful selection before it is uniform enough to test on a large scale, let alone to introduce as a named variety.

Several strains of the Harkness variety were compared during the 1938 season and further selections made with the hope of correcting some of the faults in the present commercial stock.

Other breeding and selection work includes early cabbage, Prizetaker onions, early sweet peppers, melons and rhubarb. From all of these, selected seed or stock is available. Many other crops are being selected for uniformity with the view of improving the type or strain.

VEGETABLE VARIETY AND STRAIN TESTS

Asparagus: In the test of selected strains the 1938 or second year yields were much higher than in 1937. Marked differences in favour of the selected strains over plants grown from commercial stock seed were observed.

Staked Tomatoes: The test of early tomato varieties grown on stakes and pruned to one stem showed great variation in earliness of ripening, and size and type of fruit. Fruit cracking was very serious during the 1938 season in all varieties, and some strains of the Harkness in particular were so badly affected that at times sound fruits could not be found.

Onions: The variety plot of transplanted onions again produced a heavy crop of large sound bulbs. Yields on an acre basis ranged from 500 to over 1,000 bushels. Riverside Spanish produced the heaviest yield as well as the largest bulbs. The Vineland strains of Prizetaker were the most uniform in size and type of bulbs. The Southport and Danver's type onions are not well adapted to this method of culture as they tend to ripen before reaching a large size.

Watermelons: Several early ripening watermelons from Japan were included in the melon variety tests of 1937 and 1938. One yellow-fleshed variety with small black seeds named Honey Sweet was of high quality. Other varieties which had solid red flesh, small seeds, and good quality were King of the Orient, Sweet Japanese, Tough Sweet and Yamanto No. 3.

Sweet Peppers: The Windsor variety gave early and heavy yields of good sized fruit. The fruits, being long and somewhat pointed, are not as well liked by some growers as the more blunt-fruited varieties. Calwonder, which is an early type of the California Wonder, is not uniform enough and is low in yield. The World Beater is a large fruited variety but lacks thickness of flesh and is too rough. The California Wonder is late in maturing and low in yield but the fruit is good, being thick-fleshed and heavy.

Head Lettuce: Many varieties have been tested and while excellent crops of nearly all varieties can be grown early in the season from transplanted plants it is very difficult to mature good head lettuce during the hot weather. Some U.S.D.A. hybrid strains of the Cos variety crossed with Iceberg showed some promise of being able to withstand the unfavorable weather conditions, but were not uniform nor large enough to be of commercial value. The best strains of New York were No. 12 and No. 515. White Boston is one of the best of the large smooth-leafed heading type. Two English forcing varieties were grown but proved to be rather small and quite subject to tip burn.

Celery: Early celery, like lettuce, should be grown early enough to mature before the hot weather of August. The late crop develops during the cool weather of late fall and is usually free of heart rot. Golden Plume and Tall Golden Self Blanching are the best of the older yellow varieties. Golden Supreme is a new one of medium size and good quality. Golden No. 14 is another new one of fair to good quality. For the late crop a tendency is developing to use the green varieties in preference to yellow owing to better quality and better storage results. The Utah or Salt Lake has given best results being very uniform, medium in size, blanching in storage to a creamy white and ranking high in flavour and texture. Fordhook is another high quality green type but is short and easily bruised. It does not stand handling or storage well. Giant Pascal is a tall green variety of good quality but frequently has many hollow stalks. Fullheart is another medium sized green variety, fairly uniform but does not have as good quality as Utah. Yellow varieties when well grown store satisfactorily but lack the flavour and quality of the green types.

Special Trial Plots: The trial plot project including seed samples submitted by the Canadian Seed Growers Association, the Seed Division of the Dominion Department of Agriculture and the Central Experimental Farm was again carried out and complete reports covering all samples were issued.

EXTENSION

The work of examination of soils to determine their suitability for fruit crops was continued and this phase of the work is becoming increasingly greater as growers and prospective growers realize the value of knowing what crops are suitable for the different types of soil. Growers were visited in their orchards where their specific problems were discussed and, where possible remedies suggested. Mouse and rabbit control; a problem which is becoming increasingly difficult owing to heavy new plantings, was given more attention than in the past. The Statistics and Publications Branch, Ontario Department of Agriculture, was given assistance in obtaining information for their regular crop reports.

Orchard Soil Fertility Survey: This type of field work and soil testing service was extended to Lambton County during the past year and was quite similar in scope to the work carried out in Elgin, Kent, and Essex in 1937. Practically all of the main orchards were examined and a report with recommendations concerning his own soil tests was sent to each grower.

Storage difficulties were reported by the Lambton Growers and at their request periodic examination of the fruit was made throughout the winter. Fortunately no storage scald or physiological breakdown occurred. Bitter Pit became quite noticeable in late November, December and January but did not make any further progress after early January. Slight evidence of corky core was observed in some Baldwin orchards. However, it was not responsible for any commercial loss and did not increase in severity during the storage period.

A fertilizer experiment using phosphorus, potassium, and boron was laid out in one orchard where this Bitter Pit trouble is quite serious. Further soil studies are being made in this orchard.

Spray Service: A total of 1275 growers in the Niagara Peninsula received the usual Spray Service letters, twelve in number, which were mailed to each grower during the spraying season.

Nursery Inspection for Varietal Mixtures: Nearly one million trees, 955,600 to be exact, were examined for trueness-to-name in 1938. This is the largest number in the history of the inspection service, a period of 14 years. Some 12,823 trees, approximately 1.3% found to be untrue-to-name, were broken down or labelled correctly.

Enforcement of the Ontario Plant Diseases Act: Assistance was given the Provincial Entomologist in the fumigation of nursery stock for export to Nova Scotia, and accounts of municipal fruit pest inspectors were examined in accordance with the act. Apple Maggot inspectors were also assisted in the better carrying out of their work of orchard inspection as required before the apples can be exported.

Meetings: During the year members of the staff gave addresses at 39 meetings at which there was an average attendance of 75 persons.

WESTERN ONTARIO EXPERIMENTAL FARM, RIDGETOWN

The season of 1938 was a particularly favourable one for crop production in Southwestern Ontario. Sufficient rainfall during the growing season produced good yields in practically all crops grown on the Experimental Farm.

Precipitation during growing season 1938

		No. of days	
April	2.24 inches	10	
May	4.05 inches	10	
June	2.10 inches	11	
July	5.79 inches	9	4.45 inches fell on July 31st.
August	1.57 inches	6	
September	3.15 inches	12	
October	.98 inches	7	

The following table gives the yields and acreage of the main crops grown on the farm in 1938.

(Cob)

Wheat	25 acres	750 bushels
Oats	20 acres	1340 bushels
Barley	4 acres	188 bushels
Corn	20 acres	1500 bushels (Cob)
Beans	25 acres	750 bushels
Soy Beans	3½ acres	132 bushels
Tobacco	4 acres	5800 bushels
Millet	2½ acres	95 bushels

All the crops were fairly satisfactory with the exception of fall wheat, which was badly affected by rust, making the sample rather shrunken and the weight per measured bushel below standard weight.

The corn crop yielded very well but was very hard to harvest owing to the lodged condition of the crop.

LIVE STOCK

Cattle—

During the year of 1938-39 the Shorthorn herd was strengthened by the purchase of nine head of heifers. These heifers made excellent classroom material and will form the basis of a breeding herd at the farm of a type which should be suitable for Southwestern Ontario conditions. The Shorthorn herd at the present time numbers twenty head.

Swine—

The Yorkshire herd was extended throughout the year. From fourteen brood sows the number was raised to twenty. Selections were made from the young sows raised during the year and no purchases were made. Two young boars were purchased from entirely different strains, both of them from herds where advanced registration is practised and both from qualified sows. Two young Berkshire sows were purchased for the purpose of carrying on experimental work with cross-breeding. Six sows were entered in the Advanced Registry for swine and four of them qualified during the year.

A new farrowing pen 60 x 28 was built during the year, which will house ten sows and their litters. This proves a valuable addition to our swine department and is working out very satisfactorily.

A new policy for selling pigs was established during the year, by selling surplus breeding stock by auction.

The first annual sale was held on Wednesday, August 24th. Forty-five (45) purebred Yorkshires were offered. This auction comprised thirteen bred sows, eighteen young gilts and fourteen young boars. The following summary will give you some idea of the success of the venture.

13 bred sows averaged	$45.77
18 young gilts averaged	$22.78
14 young boars averaged	$19.00

Besides these, fifteen young boars were sold during the year, at an average of $19.37.

There has been quite a demand for young sows since the sale but these are all being reserved for the annual sale of 1939.

HORTICULTURE

The favourable distribution of rainfall throughout the growing season gave abundant crops of vegetables and fruits though the material advantage was somewhat offset by lower prices.

The wet weather during apple blossom time protracted the flowering period, delayed the calyx spray and allowed scab to get a strong hold in many orchards. The resulting loss from scab could have been prevented by applying lime sulphur without poison during the blossoming time.

The Spring crop of greenhouse tomatoes, consisting of Michigan and Marglobe varieties, was good, producing a yield of 7.16 lbs. per plant, which was at the rate of 2.25 lbs. per square foot.

Both Vocational School students and those of the School of Agriculture continue to receive practical instruction in the department.

POULTRY

The work in poultry has consisted for years in producing foundation stock for local farmers and in diagnosing poultry management and disease problems. The advent of hatcheries has lessened the demand for hatching eggs, as many farmers simply purchase chicks from these commercial Firms.

EXTENSION

Extension work occupied considerable time and constitutes a good deal of the work of the director.

Eighty-six meetings were attended during the year. These were held under the auspices of a variety of Organizations, including Service Clubs, Farmers' Organizations and Women's Institutes.

FAIRS—

Eighteen Fairs were attended during the year and assistance was given by judging livestock or by giving addresses.

Organizations visiting Experimental Farm—

Twenty-two Organizations visited the Farm during the year. Six of these were entertained to luncheon and the others were taken on an inspection tour of the farm and school.

Soil Service—

Increasing demand for the testing of soils for the suitability of different crops by farmers has been noted. This has brought a large number of farmers in contact with the Experimental Farm and cultural methods have been discussed on many occasions.

Insects and Plant Diseases—

There has been considerable inquiry throughout the year for information in regard to insect pests and plant diseases. A goodly number of these have been handled by the Experimental Farm staff. The worst outbreak of the year was an attack of Rust on fall wheat. In this connection, there has been quite a campaign organized against the common Barberry. Some work is also being done in trying to procure rust resistant varieties.

A survey, along with several other Agricultural workers in Southwestern Ontario, was made during the growing season in order to obtain information in regard to varieties best suited for Southwestern Ontario. Selections of a few of these strains were made and are growing on the farm at the present time.

POULTRY AND SWINE DISEASES—

A service for the diagnosing of poultry and swine diseases is maintained at the farm. A goodly number of farmers have brought specimens for postmortems during the year, and numerous visits have been made to farms where there has been trouble reported in swine and poultry.

LANDSCAPE WORK—

A number of school grounds, as well as other private and public grounds, were visited during the year and plans made for tree and shrub planting.

TREE DISTRIBUTION—

A number of trees, including Carolina Poplars, Soft Maple, Red Pine, White Cedar, White Pine, Norway Spruce and White Spruce were procured from the Forestry Branch and have been grown in nursery rows. This year, these have been distributed to schools, Agricultural Societies and other Public Institutions, as well as private individuals.

SEED CLEANING PLANT—

The Seed Cleaning Plant offered another service to farmers of the district. Last year about 8000 bushels were cleaned.

SWINE EXPERIMENT—

During the past three winters, tests have been conducted in finishing bacon hogs by corn feeding. Corn was fed exclusively as a finishing feed with protein supplement fed in a hopper so that the pigs could take it at will.

Excellent results were obtained during the winter of 1936-37 and again in 1937-38. In the winter of 1938-39 the hogs fed in this manner did not grade nearly as well as in the previous two winters. In most cases, they were too fat for the "A" grade but, in type and firmness of carcass, were equal to the pigs raised during the previous two winters. In all cases, the hogs were fed a mixed meal properly balanced until they were around 135 to 140 lbs. and, from this period on, they were given the opportunity of balancing their own ration.

The following is a summary of the different winter feeding.—

Year	Av. Finished Weight	Feed per lb. gain	Ratio of grain to protein supplement	Grade
1936-37	208 lbs.	4.4	1 to 9.6	66% A 32% B 2% C
1937-38	205 lbs.	4.4	1 to 14	53% A 40% B 7% C
1938-39	195 lbs.	4.1	1 to 10.3	18% A 75% B 7% C

It will be noted that the pigs in the Winter of 1938-39 did not grade nearly so well as in the two former years even when marketed at somewhat lighter weight.

The "C" grade pigs marketed in 1939 were the only ones that were very much over 200 lbs. The other pigs were marketed at a lighter weight in order that they would grade better. In all of these cases, the quality of the carcass was excellent except the extra fat, which was probably due to the higher percentage of carbohydrates in the corn crop of 1938.

Swine Experiment No. 2

An experiment carried on in the winter of 1939 had to do with three lots of pigs, one fed cob corn and protein supplement, another lot fed shelled corn and another corn meal. In each case, protein supplement was available in a hopper so that the pigs were able to balance their own feed.

Corn consumed per pig	Protein Supplement per pig	Meal per lb. gain	Ratio of grain to protein supplement	Grain day per	Grade
		COB CORN			
188 lbs.	17 lbs.	4.7	1 to 11	1.5	25% A 75% B
		SHELLED CORN			
208 lbs.	22 lbs.	4.1	1 to 9.4	1.8	100% B 1
		CORN CHOP			
200 lbs.	19 lbs.	3.7	1 to 10.5	2.1	25% A 50% B 25% C

In this case, it would look as if the pigs would make sufficient returns to pay for the shelling and grinding of corn.

The pigs did best on the corn meal ration and the shelled corn ration was superior to the cob corn. There was practically no difference in the carcasses of the pigs fed on the different rations. The grade "C" pigs in each case were those that were allowed to become too heavy but when the hogs were kept under 200 lbs.. there was practically no difference in the quality of the meat from the pigs on different rations.

BABY BEEF EXPERIMENT—

An experiment was conducted on an outside farm to determine the value of soy beans for baby beef production. Young steers weighing from 350 to 400 lbs. were placed on test.

Lot No. 1 required 610 lbs. of meal and 210 lbs. of alfalfa hay to make 100 lbs. gain. The average daily gain on these steers was 1.9 lbs.

Lot No. 2 consumed 580 lbs. of meal, 58 lbs. of soy beans and 190 lbs. of hay to make 100 lbs. gain. The average daily gain on this lot was 2.2 lbs.

There is no doubt that if first class alfalfa hay had not been used there would have been a much greater difference in favour of the ration containing soy beans as a protein supplement .

CROP EXPERIMENTS

Late Potatoes 1938

The dust versus spray experiment was carried on as in previous years, using the same materials as in 1937.

July 8th—Dusted with Copotex
Sprayed with Bordeaux and Copper Hydro 40, using a poison (Calcium arsenate).
Sprayed check plot with poison only.

July 18th—Dusted and sprayed as above.

July 28th—Dusted with Copodust.
Sprayed with Bordeaux and Copper Hydro 40.
Check plot omitted.

Due to rapid growth of vines, dusting and spraying was discontinued after July 28th. Damage from tramping by horses' feet and machinery wheels would have been too severe.

The crop was harvested on October 10th and marketable and small potatoes weighed separately.

	Yield per acre	
	Marketable	Small
Dust	131.7 bus.	5.7 bus.
Bordeaux spray	128.5 bus.	4.7 bus.
Copper Hydro 40	122.5 bus.	7.8 bus.
Check	120 bus.	8.7 bus.

An average of five years' results of spray versus dust on late potatoes are,—

	Yield per acre	
	Marketable	Small
Dust	211.2 bus.	15.9 bus.
Spray	222.9 bus.	13.7 bus.
Check	174.5 bus.	17.7 bus.

BEANS—

Treating seed beans with Ceresan and Semesan, Jr. before planting was tried this year. No difference was noted in germination or general appearance of the crop during growing season. The following yields resulted.

Treated vs. Untreated Seed Pea Beans 1938

Treatment	Yield per acre	
Untreated	22 bus.	0 lbs.
Ceresan @ ½ oz. per bushel	21 bus.	0 lbs.
Ceresan @ 1 oz. per bushel	24 bus.	20 lbs.
Semesan Jr. @ 2 ozs. per bus.	25 bus.	40 lbs.

FERTILIZER TEST — PEA BEANS

One-half acre plots	Yield per acre	
2-12-6 @ 125 lbs. per acre	29 bus.	0 lbs.
2-12-6-@ 250 lbs. per acre	30 bus.	10 lbs.
2-16-6 @ 125 lbs. per acre	28 bus.	0 lbs.
2-16-6 @ 250 lbs. per acre	26 bus.	0 lbs.
Check	22 bus.	0 lbs.

CORN—

Comparison Ceresan and Semesan, Jr. treatment of seed corn before planting resulted in the following yields,—

Seed Treatment—Corn—1938

Seed Treatments	Yield per acre Lbs. of cobs
Untreated seed	3212
Ceresan @ ½ oz. per bu. of seed	3574
Ceresan @ 1 oz. per bu. of seed	4268
Semesan Jr. @ 2 ozs. per bu. of seed	3806

Fertilizer Experiment—Corn

Fertilizer & Rate of application	Yield per acre lbs. of cobs
2-12-6 @ 150 lbs. per acre	3487
2-12-6 @ 375 lbs. per acre	3587
2-16-6 @ 150 lbs. per acre	3376
2-16-6 @ 375 lbs. per acre	3442
Check	3212

Root Crops—

The following root crops were tested for comparative yields on muck soil—

White Carrot	864 bus. per acre
Swede Turnip	672 bus. per acre
Kohl Rabi (White)	544 bus. per acre
Kohl Rabi (Purple)	838 bus. per acre
Artichoke	1080 bus. per acre

The following crops were grown and compared as a source of green feed.

Rape	17 tons	1200 lbs. per acre
Kale	23 tons	400 lbs. per acre
Chinese Cabbage	44 tons	0 lbs. per care
Millet	11 tons	400 lbs. per acre
Sudan Grass	4 tons	800 lbs. per acre

SOY BEANS 1938—

Three varieties of Soy Beans were tested for comparison—Mandarin—O.A.C. No. 211 and A.K. One acre plots were planted and yields were as follows,—

A. K.	37 bus. 40 lbs. per acre
Mandarin	37 bus. 30 lbs. per acre
O.A.C. No. 211	37 bus. 5 lbs. per acre

The Mandarin appears to be an early maturing type that could be used to advantage in sections of the Province where the growing season is somewhat short.

Seed Treatment—Soy Beans, 1938

	Yield per acre
Ceresan only	35 bus. 20 lbs.
Ceresan plus concentrate Napthyl	37 bus. 20 lbs.
Ceresan plus high concentrate Napthyl	42 bus. 0 lbs.
Ceresan plus Indolyl Acetic Acid	39 bus. 20 lbs.
Untreated	35 bus. 20 lbs.

PEA BEANS 1938—

There has been considerable discussion regarding the value of "Blue Pod" Beans as a cash crop in comparison with the Robust type as distributed by the Experimental Farm.

Two samples were obtained from growers in different localities and tested with our own varieties.

The Robust, while needing a somewhat longer season, yielded from 7 to 9 bushels more per acre than the Blue Pods.

VARIETY TESTS — PEA BEANS 1939

Name	Yield per acre
Robust	37 bus. 5 lbs.
E.F.R.	36 bus. 40 lbs.
Steen	36 bus. 40 lbs.
Zavitz	36 bus. 15 lbs.
Maynard	36 bus. 15 lbs.
Michigan	36 bus. 15 lbs.
Wisconsin	35 bus. 50 lbs.
Ithaca	35 bus. 0 lbs.
Down	34 bus. 35 lbs.
Scott's Blue Pods	27 bus. 30 lbs.
Gosnell's Blue Pods	25 bus. 50 lbs.

VARIETY TEST — PEA BEANS

Average of 4 *years* 1935-1938 *inclusive*

E.F.R.	31.3 bus. per acre
Maynard	30.1 bus. per acre
Down	30.6 bus. per acre
Ithaca	29.8 bus. per acre
Wisconsin	29.7 bus. per acre
Michigan	30.0 bus per acre
Robust	29.5 bus. per acre
Zavitz	29.8 bus. per acre
Steen	27.8 bus. per acre

VARIETY TEST — YELLOWEYE BEANS 1938

Name	Yield per acre
Hayes	25 bu. 0 lbs.
Black	23 bu. 0 lbs.
Todd	21 bu. 40 lbs.
Newman	24 bu. 20 lbs.
Higbee	24 bu. 0 lbs.
Scott	20 bu. 20 lbs.
Tice	24 bu. 40 lbs.
Catlin	19 bu. 0 lbs.

OATS—

A series of co-operative experiments was carried on with fertilizer on oats with the Agricultural Society of Rodney. Four farms were selected and three varieties of oats used — Alaska — Erban and Banner. Two acre plots were used in each instance.

On three of these farms 2-12-6 was used in comparison with 2-12-10 and on the other 2-12-6 against 20% superphosphate, the type of fertilizer generally used on the farm.

A severe wind and rainstorm on July 31st caused the oats in one field to go down rather badly, which possibly affected the yields.
The results of these experiments are, as follows:—

FERTILIZER TESTS — OATS, 1938

Name of grower and variety of oats	Fertilizer & rate of Application	Yield per acre bus.
Angus McLean	2-12-6 @ 125 lbs. per acre	61.2
Wardsville	2-12-6 @ 250 lbs. per acre	65.9
(Alaska)	2-12-10 @ 125 lbs. per acre	63.2
	2-12-10 @ 250 lbs. per acre	77.6
	No Fertilizer	47.0

G. P. Schleihauf,	2-12-6 @ 125 lbs. per acre	70.6
Rodney	2-12-6 @ 250 lbs. per acre	77.6
(Erban)	0-20-0 @ 125 lbs. per acre	73.0
	0-20-0 @ 250 lbs. per acre	77.6
	No fertilizer	59.0
Maurice Mistele	2-12-6 @ 125 lbs. per acre	54.1
Rodney	2-12-6 @ 250 lbs. per acre	56.5
(Banner)	2-12-10 @ 125 lbs. per acre	47.0
	2-12-10 @ 250 lbs. per acre	61.2
	No fertilizer	42.3
Lloyd Binks.	2-12-6 @ 125 lbs. per acre	59.0
West Lorne	2-12-6 @ 250 lbs. per acre	65.9
(Banner)	2-12-10 @ 125 lbs. per acre	70.6
	2-12-10 @ 250 lbs. per acre	75.3
	No fertilizer	54.1

AGRICULTURAL SCHOOL

In connection with the Agricultural School, it was felt that it should be organized on an entirely different basis in the future, consequently this year only the second year of the course was conducted. It will be possible to re-organize the Course another year.

There were fourteen boys entered in the Course and twelve completed the year. The Course started on November 28th and ended on March 24th.

In previous years, the teaching staff of the Vocational School was used for part of the lectures. This year this was changed owing to local difficulties

SHORT COURSE IN SWINE

A four day Short Course was held in Swine Production and Marketing at the Agricultural School from January 24th to 27th.

The weather was rather unfavourable but 150 people registered during the course. The attendance varied from 50 in the morning to 140 during the afternoon.

STATISTICS AND PUBLICATIONS BRANCH

The gross value of agricultural production in both Ontario and Canada showed a decline in 1938 as compared with the previous year. For Ontario the value of production amounted to $327.529,000 as against $343,137,000 in 1937, a decline of approximately $15,600,00. Low prices for field crops was the principal cause of the reduction, this item alone showing a drop of $21,300,000, notwithstanding the fact that the season was favourable and a larger aggregate volume of field crops was harvested. The value of production in Ontario of farm animals, dairy products, fruit and vegetables, poultry and eggs, tobacco, clover and grass seeds, and honey, were all somewhat higher in 1938 than in 1937. In the case of Canada, the decline in the gross value of agricultural production was $19,275,000, a decrease of $27,362,000 in the value of field crops being to a large extent offset by an increase in value for practically all other items.

GROSS VALUE OF AGRICULTURAL PRODUCTION IN ONTARIO, BY ITEMS, 1930 TO 1938

("000" omitted)

	1930 $	1931 $	1932 $	1933 $	1934 $	1935 $	1936 $	1937 $	1938 $
Field Crops	179,919	124,541	116,424	135,813	143,734	132,086	166,284	149,100	127,810
Farm Animals	60,738	33,175	21,957	31,500	34,089	43,344	46,732	50,885	51,095
Wool	632	458	287	553	342	417	533	593	345
Dairy Products	104,859	92,276	69,079	74,117	68,304	73,305	81,830	87,647	89,153
Fruits, Vegetables	16,820	14,412	12,733	12,553	16,608	18,697	18,002	13,003	13,469
Poultry and Eggs	41,461	29,491	18,565	16,294	19,464	20,915	22,939	21,659	22,329
Fur Farming	817	750	644	721	704	966	1,131	1,351	1,215
Maple Products	1,576	1,674	888	720	1,040	1,161	1,161	880	853
Tobacco	6,244	6,814	5,703	6,206	6,337	10,226	8,505	15,965	18,293
Flax Fibre	371	179	170	61	150	161	155	133	120
Clover, Grass Seed	1,855	1,110	615	1,079	857	1,006	1,417	1,168	1,690
Honey and Wax	870	744	619	1,097	1,309	1,115	1,062	753	1,157
TOTALS	416,162	305,624	247,684	280,814	292,938	303,399	349,751	343,137	327,529

The preparation of agricultural statistics was again carried on with the co-operation of the rural school teachers, a large corps of farm crop correspondents, and others engaged in agricultural activities.

The following regular Reports were issued during the year:

The Annual Statistics Report which shows by county division the acreage, production and value of field crops; the number and value of live stock on farms; a record of the number and amount of Chattel Mortgages outstanding; detailed weather information; and a valuable summary of field crop and live stock statistics for the Province since 1882.

The Monthly Crop Report which contains current information relating to field crops and live stock, including such items as acreage, condition, production, prices and trade.

The Monthly Dairy Report contains statistics of total commercial sales of whole milk by distributors in the Province of Ontario by sales areas, production of butter and cheese by county, and other information relating to prices, stocks, and trade in dairy products. Both the Monthly Crop Report and the Monthly Dairy Report are well illustrated with charts.

The Fruit and Vegetable Crop Report which is issued monthly from May to October covers the development of fruits and vegetables.

A Cold Storage Report is issued on the first business day of each month showing the quantities of butter, cheese and eggs in cold storage in Toronto at the commencement of business on that day.

The Annual Reports of the various Departments printed for distribution during the year were as follows:

	No. of Copies
The Report of the Minister of Agriculture	1,650
Agricultural and Experimental Union	2,500
Agricultural Societies	5,000
Entomological Society	1,500

Horticultural Societies	5,000
Ontario Agricultural College and Experimental Farm	2,000
Ontario Vegetable Growers' Association	1,500
Ontario Veterinary College	1,500
Stallion Enrolment Board	2,800
Statistics Branch	6,000
Bound Volumes of the Reports of the Department of Agriculture	300

During the year the following Agricultural bulletins were printed for distribution:

Serial Number		No. of Copies
380	Parasites Injurious to Swine	15,000
395	Farm Poultry	25,000
396	Mastitis or Garget in Cows	5,000
397	Mushrooms of Ontario	5,000
398	Farm Water Supply	10,000
399	Plumbing and Sewage Disposal for the Farm Home	10,000
400	Turkey Production in Ontario	10,000
401	Feeding and Management of Work Horses	15,000
402	Breeding and Management of Draft Horses	15,000
403	Important Fruit Tree Diseases of Ontario	10,000
	Extension Circular No. 47 — A study of the Oat Nematode	5,000
	Extension Circular No. 48—The Growing and Handling of Popcorn	5.000
	Extension of Circular No. 49—Eradicate the Common Barberry	10,000
	Soil Management and Fertilizer Recommendations	10,000
	Farm Account Book	5,000

Farmers desiring literature on farming may secure a list of the available free bulletins by addressing an enquiry to the Director, Statistics and Publications Branch.

AGRICULTURAL AND HORTICULTURAL SOCIETIES BRANCH

AGRICULTURAL SOCIETIES

As Societies were asked to report the date of organization, it may be of interest to list a few of the pioneer Societies, which are still active.

Niagara-on-the-Lake	1792
Delta	1830
Wellington County (Fergus)	1837
Merrickville	1838
Norfolk County (Simcoe)	1840
Puslinch	1840
Stratford	1842
Carleton County (Richmond)	1844
Vankleek Hill	1845
Plympton and Wyoming	1845
Esquesing (Georgetown)	1847
Woodbridge	1847
Thorold Town and Township	1847
South Perth (St. Marys)	1847
Ingersoll	1848

During 1938, Agricultural Societies broadened their field of activity in a very marked way, as indicated by the large number of projects sponsored and promoted. The Canadian Lakehead organization at Fort William had 15 programme features; Acton 10; Stratford 9; North Norwich 8; South Victoria 8; Six Societies sponsored 7 projects each, while 9 had 6, and 7 Societies had 5 projects each.

There was a satisfactory increase in field crop competitions from 98 in 1937 to 130 in 1938. The South Perth Society, at St. Marys, had the honour of having the largest number of competitors finish the contest with 43 fields being scored. The Stratford Society which was high last year stood second with 34 fields. The South Perth Society distributed approximately 400 bushels of registered barley in order to introduce better seed in the district, and a similar service was rendered by many Societies in all parts of the Province. A report from South Simcoe shows that 4 Societies purchased registered wheat in the fall of 1937 for field crop competitions. The average yield from such fields was about 39 bushels above the Provincial average. In 1938, seed from these competition fields was sold to over 100 additional growers, so that last fall over 2000 acres were seeded with this superior quality wheat imported by the Agricultural Societies in 1937.

Special seed fair grants were paid to 25 Societies. Only 2 of these, however, conducted spring seed fairs independently; the other 23 co-operated in the holding of joint fairs. The latter method is considered more effective. In Oxford County, for instance, every Agricultural Society assisted in the holding of a County Seed Fair and Crop Institute which occupied two days. This was an excellent practical seed fair and the meetings were very well attended. In York County, 6 Societies co-operated in staging a similar event.

Spring Stock shows were cocnducted by six Societies.

Agricultural Society Classes for grain and seed were again provided by larger fairs, with entries as indicated:

	1938 entries
South Western Corn and Seed Exhibition, Chatham	5 Societies
Canadian National Exhibition, Toronto	
Grain	13 Societies
Sheaves	6 Societies
Ottawa Winter Fair	10 Societies
Guelph Winter Fair	15 Societies

Grants on the maintenance of pure bred sires were paid to 14 Societies on 104 animals, including 3 stallions, 66 bulls, 22 boars and 13 rams.

In 1938, Agricultural Societies sponsored junior clubs as follows:

Calf Clubs	63
Foal Clubs	51
Grain Clubs	23
Potato Clubs	16
Swine Clubs	4
	157

Several Societies are to be commended on giving leadership in reforestation. The Albion and Bolton unit established a nursery in which small trees are being grown for transplanting to beautify the grounds later. The Norwich Society this year initiated a plan to beautify property and at the same time demonstrate reforestation. Other Societies sponsoring tree planting, included Perry, Parham, Elmira and Woolwich, Ameliasburg, Dufferin, Jarvis, Apsley and Cookstown.

Agricultural Societies are assuming their share of responsibility in the eradication of tuberculosis. The Leamington Society undertook the job of canvassing a township for the signatures of farmers. Several Societies such as the Lakehead, Norwich, Comber and Acton sponsored Short Courses.

Fall Fairs

The 1938 season was unusually favourable. The fact that weather and health were both adverse in 1937 no doubt contributed to the success of fairs last fall. Approximately 80% of Societies reported an increase in exhibitors and over 75% an increase in gate receipts. Quite a number of the Societies had the largest and best fairs in history, in respect to entries, gate receipts and the number and quality of exhibits. Approximately 12% reported inability to pay prizes in full.

While some early fairs suffered because of weather, on the whole the season was quite favourable, as only 37 Societies applied for special wet weather grants, in comparison with 57 in 1937. With an appropriation of $10,000 available, it was possible to pay 90%, the maximum allowed by the Act.

A marked tendency was noted to offer more encouragement to local exhibitors. The problem of the "pot hunter" was faced frankly and solved by many Societies, but we are sorry to report in some cases little or nothing was done.

A good example of attacking this problem, by offering greater prizes for commercial exhibits, was provided by special Bacon Hog Classes made possible by the generous donations of two large firms. These special prizes were made available to 26 Societies. In each case prizes were offered for pens of 5 market hogs, to be sold either by tender or auction at the conclusion of the exhibition. Awards were based on rail grading. At Tweed where a few years ago there were no exhibits of hogs from within a radius of 10 miles, last year 70 fine commercial hogs from the home district were on display. At Alvinston in Lambton County, where in 1937 there were 5 commercial hogs, at the 1938 fair there was the largest exhibit in the Province, totalling 120 hogs.

A novel system of prize awards was introduced at a number of fairs under the leadership of the Canadian Holstein-Friesian Association. Entries were confined to the County concerned. New exhibitors were encouraged to bring their animals out by a prize list of uniform denomination. Animals were placed in the usual way, first, second, third, etc., but while the owner of the first prize entry had the honour of heading the class, he received the same amount of cash as the winner of the lowest award.

This prevented a few, perhaps wealthy owners of large show herds, from receiving all the prize cash and permitted average breeders to cover exhibition expenses. The County fair served as a "Field Day" for the breed and provided healthy competition in which local people were interested.

The Ontario Association of Agricultural Societies

The Provincial Association had the most active year in its history. The annual convention was very enthusiastic and unusually well attended, particularly by women. A leading programme feature was an address by Dr. L. E. Hoffman on "The Operation of the United States Farm Programme". Whereas a few years ago the annual convention constituted the season's activity of the Association, in 1938 there was action throughout the year. Excellent meetings were held in all districts of the Province, in several cases two meetings were organized. While formerly the custom had been to meet for a few hours in the afternoon, in 1938 several districts convened at 10.00 a.m. and continued throughout the day.

Agricultural Societies west of the Great Lakes organized the first Agricultural Conference covering that vast area. Delegates from the Districts of Thunder Bay, Kenora and Rainy River met at Dryden on July 5th and 6th. Rural problems of the area were discussed and plans suggested whereby Agricultural Societies might give more aggressive leadership in solving some of the problems in the promotion of agriculture.

Hydro rates for fall fairs had been a very disturbing factor for a number of years, and a special committee had been at work for some time. All delegates at the Provincial convention were pleased to receive from the Ontario Hydro Electric Commission an announcement of reduction in rates of from 75% to 55%, depending upon the duration of the fair concerned.

A school for Home Department judges was held at Kemptville on August 23rd and 24th. To this, prospective judges from Counties in Eastern Ontario were invited to receive instruction and to have practise in the judging of womens classes at fairs.

An important and far-reaching policy was initiated by the Ontario Association by the provision of Agricultural Service Diplomas to be awarded by Agricultural Societies to men and women who have given generously of their time, labour and thought in the promotion of agriculture. Some 90 Societies made such awards in 1938.

ONTARIO PLOWMEN'S ASSOCIATION

In 1911 when this Association was organized, less than a dozen plowing matches were held in the Province. In 1938, there were 80 senior matches and 24 junior contests, including home plowing competitions and junior matches. A total of 42 plowing demonstrations was conducted by departmental demonstrators. Government judges were provided for 79 senior matches and for all of the junior competitions.

Four new matches were formed during 1938, as follows: Bentinck, Centre Simcoe, South Simcoe and West Simcoe.

International Plowing Match

Under ideal conditions a successful International Match was held in Simcoe County in October. The highlight of the event was a visit by His Excellency, the Right Honourable Lord Tweedsmuir, Governor-General of Canada. His Excellency enjoyed a short trip through Simcoe County, and particularly a visit to the Midhurst Forest Plantation.

On a tour of plowing fields the Governor-General displayed particular interest in the Inter-County Class and in the Indian plowmen.

Entries for the four days totalled 587, including 4 by women and girls and 129 by boys under 20. The Inter-County Competition included 18 teams of 3 plowmen each. First place was won by the York County team—coach, W. M. Cockburn—team members:

Herb. Jarvis, Milliken
And. McClure, Woodbridge
Roy Smith, Gormley.

In Horse Plow Classes, Ed. Timbers, Stouffville, won the championship event, and a similar honour in Tractor Classes was won by Russell Hare, Nanticoke. The High Cut Class was won by Cameron Walkington, King.

Two Horse Shows were held, one on local day and the other the last day of International competition. These were enjoyed by more people than formerly, owing to the very fine show yard provided, formed by a low area of sufficient acreage in the centre, surrounded by higher land. The winners of the high prizes at the large Show on Friday were all from Simcoe County, as follows:

1. A. M. Tudhope, Hawkestone
2. L. Scott, Anten Mills
3. Ernest Coates, Oro Station.

Several competitors from other Provinces entered the "Visitors' Class". Special mention may be made of Mr. Spencer Croley, Saltcoats, Saskatchewan, a former resident of Simcoe County, and a well known plowman of his day, who won first prize.

The display of farm machinery and home conveniences in the tented city was the largest and most educational ever staged in connection with an International Match. Some 75 manufacturing companies had displays and demonstrations.

Excellent educational exhibits, greatly appreciated by visitors, were arranged by the Federal Experimental Farms System, Provincial Department of Health, Ontario Agricultural College, the Ontario Veterinary College, the Crops Branch and the Markets Branch of the Ontario Department of Agriculture, Publicity and Extension Branch of the Dominion Department of Agriculture, Simcoe County Women's Institute, Forestry Branch of the Ontario Department of Lands and Forests.

Interesting demonstrations included the following:—

Farm Drainage
Cultural Implements
Owen Plowing
Plow Setting
Veterinary—Anatomy and Care of Horses Legs and Feet
Draft of Implements
Multiple Hitch
Seed Cleaning
Weed Killing
Hydro-Electric Equipment
Soil Testing

Horse shoeing competitions were added features this year and considered to be very practical and educational. The class winners were as follows:—

Local Class	A. J. McArthur, Edgar
Class 1 (ready-made shoes)	Gauf Durnford, Minesing
Class 2 (hand-made shoes)	Chas. Shepherd, Toronto

Championship cup was won by Chas. Shepherd, Toronto.

Prizes valued at over $5000 were provided by the Ontario Department of Agriculture, the County of Simcoe, the town of Barrie, other municipalities and numerous commercial firms and citizens interested in the promotion of good plowing.

Annual Convention

The largest Convention in the history of the Association was held in Toronto in February.

Dr. L. E. Hoffman of Indiana delivered the key address on the subject "Some Problems of Farmers in the United States".

A revised Constitution was adopted, to provide for an increase in organization and activity in recent years and for future expansion.

Delegates to the Convention and plowmen throughout the Province were enthused by the announcement that a commercial firm would offer special prizes to all Branches of the O. P. A., the winners of which would be entitled to plow in the "Transatlantic Class" at the International Match. The two contestants standing high in the latter would be awarded a trip each to the British Isles with all expenses paid by the sponsoring company.

HORTICULTURAL SOCIETIES

In 1938, grants were paid to 228 Societies, including a new one, the Gore of Downie in Perth County. Ten Societies remained dormant and 14 were classified as uncertain. Nine Societies inactive in 1937 were reorganized. It is gratifying to report an increase in the attention given by Society officers to public services of various kinds.

During the year, 128 Societies encouraged Junior activity in some form. A great variety of projects was undertaken to promote civic beautification, based on the needs and opportunities of each community concerned.

A total of 268 flower shows was held and 83 garden competitions conducted by Societies.

The Ontario Horticultural Association, the Provincial organization, had a well-attended and enthusiastic Convention in Toronto in February. group discussions were popular, and the special meeting for Secretaries and Treasurers constituted a new feature.

Special meetings for officers were held in 11 Association Districts, and were well attended. In addition, a similar number of summer "District Meetings" for members were held.

Flower judging competitions for teams of juveniles representing Horticultural Societies were conducted in 3 Districts, the prizes being awarded as follows:

Dist. 6 Competition at Hamilton, Aug. 5th—1st prize—Binbrook Soc.
Dist. 7 Competition at Guelph, July 28th—1st prize—Guelph Tp. Soc.
Dist. 10 Competition at Woodstock, Aug. 26th—1st prize—Drumbo Soc.

Rural School Beautification was encouraged by a competition with prizes being offered for schools showing the greatest improvement in the beautification of grounds in 1938. Thirteen schools were entered, and the J. E. Carter cup was awarded to School Section No. 2, in the Township of Thorah, Ontario County.

At the 1939 Annual Convention, plans were developed for the organization of competitions by Districts, with a Provincial Championship Contest.

The Ontario Association encouraged recognition of faithful workers, by providing Horticultural Service Diplomas to Societies, 80 of which took advantage of same during the year.

Association awards were made in 1938 as follows:

A Diploma of Merit was awarded to Miss Mary Havill, who for many years has rendered unselfish service to the Walkerton Horticultural Society and to the community and district in general.

A Diploma of Merit, to Mrs. Frank Anderson of Niagara Falls, who has rendered invaluable service to her home Society.

A Diploma of Merit, to Mr. and Mrs. D. M. Butchart of Owen Sound for splendid leadership given by the beautiful garden created on Owen Sound Bay, which is visited by thousands yearly.

A Diploma of Merit, to the Coboconk Horticultural Society, the membership of which is small, but accomplishments great.

The J. E. Carter Medal was awarded to Mr. Spencer Smith of Burlington for "unselfish service to his home community, by providing leadership and interest in beautification.

SPECIAL RURAL BEAUTIFICATION PROGRAMME

Early in 1938, a Departmental Committee was appointed to promote rural beautification. The first efforts were directed to co-ordinating the work of Government officials, and secondly to bringing this matter to the attention of all agricultural and rural organizations.

Concentrated work is under way in four Counties. The plan adopted at a meeting attended by 130 responsible citizens and representatives of organizations in Haldimand County on February 17th, will indicate what may be expected in these Counties.

LIVE STOCK BRANCH

HORSES

There has been a gradual decrease in the number of horses on the farms of Canada since 1924. During the first part of that period horse breeding declined very rapidly, reaching the low point in 1932. Since that year there has been a steady increase in the number of mares bred, but the losses in horses due to death from old age have still continued to be greater than the annual replacement through natural increase. Inasmuch as there are now large numbers of colts on farms in this country it is quite probable that the trend in the next few years will be in the direction of an increase in horse population.

Horse prices showed a gradual increase between 1933 and 1937. During the latter year prices were fairly satisfactory. There was a healthy export demand for horses, which, together with the keen local demand, tended to create a strong market. Export market was practically negligible during 1938, and this, coupled with an easier local demand, resulted in substantially lower prices.

Mechanical power became a strong competitor with horses as a source of power on the farm during 1938. Many tractor manufacturers began making a light tractor that could be sold at relatively low prices. These tractors met with much favour in many sections of the province, and present indications point to them being a strong competitor in the years to come.

STALLION ENROLMENT

The increase in the number of stallions enrolled in the province continued in 1938, reaching the highest figure since 1920. In 1932 only 1013 stallions were enrolled, whereas in 1938, 1583 stallions were enrolled for public service. There has been a considerable change in the relative popularity of the various draught breeds in the past twenty years. In 1918 Clydesdales were far in the lead, with 885 stallions enrolled as compared with 262 Percherons and 11 Belgians. In 1938, Clydesdales, while still quite numerous, were in second place to the Percherons, with 640 stallions enrolled as compared with 601 Clydesdales and 142 Belgians. Of the 1583 stallions enrolled in 1938, 166 carried form 1 certificates and 186 carried form 2 certificates. Premiums amounting to $11,090. were paid on 244 stallions on the basis of their performance during the 1937 season. For further details see the report of the Ontario Stallion Enrolment Board for 1938.

HORSE SHOWS

The horse industry received encouragement from the Live Stock Branch by means of assistance given to special horse shows. These grants were on the basis of 50% of the prize money paid, up to a maximum of $200, and in the case of special county fairs on the basis of an amount equal to the county grant, up to a maximum of $500. These fairs have been held in many of the most prominent horse breeding centres in the province, and have done much to encourage the raising of good horses as well as assisting in their distribution.

Grants paid to fairs held during the fiscal year were as follows:—

Perth County (Stratford)	$ 450.00
Elora	118.50
Clinton	200.00
Brantford	200.00
Linwood	182.50
Toronto	200.00
St. Clements	125.00
St. Catharines	500.00
Brooklin	150.00
	$2,126.00

CATTLE.

Ontario cattle feeders did not make as much profit from their operations during the winter of 1937-38 as they did during the previous year. Extreme drought conditions were prevalent through many parts of Western Canada during the summer of 1937.As a consequence many farmers in the drought stricken areas were forced to sell their cattle because of lack of feed. Feed was very plentiful in this province and Ontario farmers made large purchases of Western cattle. Because of the demand which took place at a time when export markets were strong Western farmers obtained relatively high prices for their cattle.

Towards the beginning of 1938 export markets began to weaken considerably. Cattle prices in this country fell in sympathy with the export market. As a consequence prices obtained by Ontario farmers were rather disappointing. Fortunately marketings were gradual throughout the season and no disorganizing of local markets resulted. Canadian exports for the year were lower than in 1937. Some 98,408 cattle were shipped to United States and 27,307 to Great Britain, in comparison with 208,552 and 9,610 to United States and Great Britain respectively in 1937.

A change in the Canadian-American agreement as it applies to cattle became effective on January 1st, 1939. Under the new agreement duty was reduced from 2 cents to 1½ cents per pound on cattle weighing over 700 pounds. In addition the quota was increased to 220,000 cattle annually, but Canada was to share the quota with Mexico. Exports during the first month of 1939 were exceptionally heavy from both countries, with the result that the quota for the first quarter was filled early in February. Movement of cattle to the United States practically stopped on that date but will commence again on the first of April.

Tuberculin testing became a factor in cattle trading during the year. The United States government passed a regulation which became effective on July 1st, 1938. Under the terms of this regulation all cattle entering United States must be tested for tuberculosis, except those for immediate slaughter. The regulation further provided that only those processors equipped with federal government inspection service could buy untested cattle. This regulation has eliminated a number of potential buyers for untested Canadian cattle and, as a consequence, it is reported that untested cattle are selling at lower prices than tested cattle of the same type and quality.

The American market still continues strong for good Canadian dairy cows. Large numbers were shipped to the heavy milk producing sections of the Eastern States. Ontario was fortunate in supplying a good portion of the dairy cattle exported to the United States and, inasmuch as the demand remained keen throughout the year, prices of dairy cows were satisfactory on local markets. Several shipments of dairy cows were made to Great Britain. Tuberculin testing is being carried on in that country on quite a large scale. Many of the dairy cows reacting to the test will have to be replaced and it is only natural that Canada should share in that market. At the present time it would appear that Great Britain will provide quite a substantial market for Canadian dairy cattle in the future.

AUCTION SALES OF PURE BRED LIVE STOCK.

For a number of years the Ontario Live Stock Branch has been assisting recognized breeders' clubs to distribute high class breeding stock by making grants to auction sales sponsored by such clubs. Where all cattle in such sales are free from tuberculosis and contagious abortion the grant amounts to $4 per animal sold, up to a maximum of $150. Where the cattle have not been tested for tuberculosis but are free from contagious abortion, the grant is on the basis of $3 per animal sold, up to a maximum of $100. In some instances shows are held in connection with the sales and, where such is the case, a grant of $25 is available. This policy was continued during the year 1938-39 and grants were made to the following associations sponsoring auction sales:—

Auction Sales of Cattle, 1938-39

	No. of Head.	Grant Paid.
Ontario Aberdeen-Angus Association	25	$ 100.00
x North Grey Shorthorn Breeders' Club	35	165.00
National Holstein Sale Association	53	150.00
Waterloo & Wellington Counties Holstein-Friesian Breeders' Club	67	150.00
Western Ontario Consignment Sale Co. Ltd.	28	112.00
Middlesex Jersey Club	50	150.00
Norfolk Holstein-Friesian Breeders' Club	36	144.00
Brant District Holstein Breeders' Club	32	128.00
Victoria County Shorthorn Association	22	88.00
Durham County Shorthorn Association	23	92.00
x Belleville District Holstein-Friesian Breeders' Club	36	169.00
		$1,448.00

x—Shows held in connection with these sales.

CATTLE SHOWS

Special cattle shows were more numerous in 1938 than in previous years. At these shows classes are featured for the breeds of cattle most common in the district. In some instances shows are confined to a single breed, as in the case of Port Perry and Roseneath shows, where Holsteins alone were featured. As a result, these two shows have become known as "Black and White" shows. The Ontario Live Stock Branch has encouraged this type of show by making grants to supplement the prize money. These grants are on the basis of 20% of the prize money paid, up to a maximum of $100. Grants were made during 1938 as follows:—

Glengarry County Cattle Show	$61.80
Port Perry Dairy Cattle Show	45.20
Roseneath Dairy Cattle Show	48.80
Wentworth Dairy Cattle Show	95.20
Brant Dairy Cattle Show	100.00
East Elgin Dairy Cattle Show	90.40
Wallacetown Beef Cattle Show	95.90
Middlesex County Dairy Cattle Show	100.00
	$ 637.30

RESTRICTED AREAS.

Tuberculin testing of cattle became a prominent factor in Ontario's export trade during 1938 when the United States government imposed a regulation which requires that all cattle entering that country, except those for immediate slaughter, must be T.B. tested. Cattle owners in this province who did not have their cattle tested for tuberculosis immediately became alarmed. Campaigns were instituted in all counties in Old Ontario that had not previously underaken the organization of restricted areas and by the end of the fiscal year most counties had signed up or were in the process of signing up in favour of the plan. Testing was undertaken in Peterboro and Victoria Counties, Rainy River District and St. Joseph's Island during the year and retests were conducted in a number of other counties. The Ontario Live Stock Branch pays the transportation costs of veterinarians engaged in testing under the restricted area plan in this province. The cost involved in this work during the year was $18,265.98.

Following is a report of the testing work done in Ontario to date:—

	Year.	Cattle Tested.	Reactors.	Per cent of Reactors
Prince Edward County and that part of Northumberland County south of the Murray Canal	1927	24,184	510	2.1
	1928	20,644	97	0.47
	1931	22,001	262	1.2
	1933	23,178	46	0.19
	1938	1,824	5	Incomplete
Prescott	1930	37,934	1599	4.2
	1931	40,847	185	0.45
	1938	39,982	152	0.38
Glengarry	1930	36,601	1,555	4.3
	1931	39,414	281	0.7
	1932	38,474	120	0.3
	1938	35,134	112	0.32
Stormont	1930	34,336	3,583	10.4
	1932	34,003	261	0.77
	1933	32,818	241	0.73
	1937	34,295	130	0.38
Carleton (North Gower & Nepean Tps.)	1934	13,781	416	3.0
	1935	12,662	49	0.4
Carleton (Gloucester & Osgoode Tps.)	1930	24,296	1,250	5.1
	1932	24,720	283	1.1
	1934	24,319	81	0.33
Carleton (Goulbourn & Marlborough)	1935	10,158	286	2.8
Carleton (March Tp.)	1936	3,490	163	4.1
Russell	1930	37,844	3,213	8.5
	1932	35,502	516	1.5
	1933	36,606	172	0.46
Dundas	1930	38,598	8,637	22.4
	1932	38,188	300	0.8
	1933	34,402	240	0.7
Grenville	1931	26,673	1,674	6.2
	1933	24,092	140	0.58
	1938	11,288	142	Incomplete
Leeds	1931	52,657	2,024	3.8
	1932	42,030	180	0.43
	1938	34,972	132	Incomplete
Frontenac (Pittsburgh Tp.)	1933	10,600	977	9.2
	1935	9,384	163	1.7
	1938	11,328	48	0.42
Manitoulin Island	1930	18,132	216	1.2
	1931	19,151	41	0.21
	1938	18,673	30	0.16
District of Kenora	1934	3,811	79	2.08
	1936	3,805	14	0.38
	1938	2,145		Incomplete
Halton	1936	23,030	3,185	13.8
	1938	19,387	120	Incomplete
Peel	1936	31,591	4,049	12.8
	1938	16,008	194	Incomplete
Northumberland	1936	45,413	1,958	4.3
	1938	15,089	52	Incomplete

York	1936	52,258	8,297	15.9
	1938	52,679	665	1.07
Ontario (except Rama & Mara)	1936	51,561	6,361	12.3
	1937	51,851	6,391	12.3
	1938	46,267	420	Incomplete
Ontario (Rama and Mara)	1938	3,261	19	0.58
Durham	1936	38,900	2,843	7.3
District of Timiskaming	1937	19,597	219	1.12
	1938	11,697	15	0.13
Thunder Bay	1938	13,302	1,144	8.6
Peterboro	1938	26,354	992	Incomplete
Victoria	1938	38,993	1,242	Incomplete
Rainy River	1938	3,661	43	Incomplete
St. Joseph's Island	1938	1,530	19	Incomplete

At the present time the following counties are signed up and waiting a test:—

Lanark, Grey, Simcoe, Essex, Norfolk, Brant, Waterloo, Wentworth, Haldimand, Lincoln, Bruce, Hastings, Lennox & Addington, Huron, Dufferin.

Petitions are being circulated in the following counties:—

Kent, Lambton, Middlesex, Perth, Oxford, Wellington, Welland,, Frontenac, Renfrew.

HOGS

Hog marketings in Canada were lower in 1938 than during the previous year. The greatest reduction took place in the western provinces and could be attributed to the extremely dry weather in that section of the Dominion during the season of 1937. Total marketings amounted to 3,220,000 head as compared with 3,925,000 head during the previous year. The decrease in marketings was accompanied by a decrease in bacon exports which dropped from 1,702,000 cwts. in 1937 to 1,534,000 cwts in 1938. Hog prices were very satisfactory throughout the year and reached the highest point in nine years during the month of July. Prices did not decline as much during the fall months as in previous years. Marketings in Canada still continue to be irregular, being very low in July and exceptionally high during the last three months of the year. Because of this condition it has been difficult to maintain regular and steady shipments of bacon. Efforts are being made to make more regular bacon marketings by storing some of the product during periods of heavy hog production and forwarding this product overseas during periods when hog runs are light.

Ontario is still the leading hog producing province, both from the standpoint of quantity and quality. The quality of hogs in the province in 1938 showed an improvement over the previous year with 35% selects and 51% bacons as compared with 32% selects and 48.7% bacons in 1937. Many counties in central and western Ontario are producing hogs of a quality well above the average of the province but there are other counties which still continue to produce hogs of inferior quality. These counties are located in south-western and eastern Ontario. The Departments of Agriculture have instituted a number of policies designed to improve the quality of hogs and are concentrating on the promotion of these policies in those sections where the poorest quality hogs are produced.

BACON HOG CLUB POLICY

Swine breeding is conducted on a community basis. As a consequence the type and quality of hogs can be largely controlled if some measure of control is exercised over the type of boars maintained for public service. In order to exercise some control over breeding operations, the Federal and Provincial Departments of Agriculture have sponsored the Bacon Hog Club Policy. Under the terms of this policy boars are loaned to communities where clubs are organized. The policy is administered by officers of the Ontario Live Stock Branch. The costs regarding boars and transporting same from the point of purchase to the nearest station of the club are shared equally by the Ontario Live Stock Branch and the Federal Department of Agriculture.

Following is an outline of the clubs formed in the province during the year, together with the location of these clubs:—

County	No. of Clubs.
Carleton	3
Elgin	1
Essex	9
Frontenac	4
Glengarry	6
Grenville	3
Hastings	12
Kent	21
Leeds	2
Lennox & Addington	4
Middlesex	2
Ontario	1
Oxford	1
Renfrew	7
Stormont	1
Total	77

The total cost of 74 boars which were purchased during the year was $2,728.50, and the cost of shipping these boars was $348.71.

BACON LITTER COMPETITION

This competition is being sponsored for the purpose of providing sources of supply of good sows, particularly in those districts where good sows are not readily available.

Following is a report of sows placed during the year:—

Renfrew	25 sows
Hastings	13 sows
Haldimand	10 sows
Oxford	14 sows

BACON HOG FAIRS

One bacon hog fair was held in the province in 1938 at Napanee in Lennox County and was highly successful. The breeding classes were well filled. One hundred and sixty-five hogs were exhibited in the market classes.

SWINE TESTING STATION

The Federal Department of Agriculture instituted the Advanced Registry policy for testing pure bred swine in 1929. After the policy had been in operation for a few years the majority of the breeders felt that valuable information could be obtained if the feeding was done by an independent party at some central point. The first test station in Canada was established at New Hamburg in 1934. This station proved inadequate to meet the requirements of testing services in the Province. A new station with accommodation for 48 litters, and financed by the Federal Department was built during the year in Waterloo County, about two miles from the town of Waterloo. It was opened on the 15th of January 1939, and is under supervision of a Provincial Committee headed by the Director of the Ontario Live Stock Branch. During the year 76 litters were tested in both stations with 26 qualifying. The old station was discontinued on March 31st.

SHEEP

There was a decline in sheep and lamb slaughterings in Canada in 1938, largely due to the fact that many farmers and ranchers, particularly in Western Canada, retained a percentage of their ewe lambs to replenish flocks that had been depleted as a result of the extremely dry weather in certain parts of Canada in 1937. With a reduction in marketings, lamb prices remained at higher levels than during the previous year.

The feeding of Western lambs by Ontario farmers is now an important business, and reached its greatest proportions during 1937 but fell off greatly during 1938, because more feed was available in Western Canada, and many Western Farmers and ranchers were in a position to finish their own lambs. The supply of feeder lambs for Ontario feeding was much curtailed.

Wool prices were about the same as the previous year. The price of long wools was higher than that of short wools for most of the season. An encouraging feature of the market was the much wider sale of officially graded Canadian wools to domestic mills. Exports to the United Kingdom were also maintained at a high level throughout the year.

Ontario pure bred breeders enjoyed a reasonably satisfactory trade with United States. This was particularly true of the Suffolk, Lincoln and Southdown breeds. Ontario sheep are highly regarded in the United States and this has been a big factor in maintaining our trade with that country.

LAMB FAIRS

The Ontario Live Stock Branch co-operated with the Federal Department of Agriculture in sponsoring lamb fairs. The two Departments contributed toward the prize money on an equal basis.

Following is a summary of lamb fairs held in the Province in 1938:—

Place	No. of Lambs Exhibited	Amount of Prize Money paid by the Ont. Dept.
Kenora	99	$27.00
St. Joseph's Island	201	30.00
Little Current	668	30.00
Barrie Island	191	30.00
Manitowaning	333	29.00
Mindemoya	463	30.00
Fort William	65	25.00

ASSISTANCE TO EXHIBITORS AT FOREIGN EXHIBITIONS

For a number of years Ontario breeders have exhibited live stock at exhibitions held in the United States. These breeders have been among the prominent winners at such shows and these winnings have undoubtedly been a strong factor in advertising Ontario live stock in the United States. The Ontario Live Stock Branch has assisted breeders in exhibiting at the American exhibitions by contributions toward the cost of transportation. Such assistance is on the basis of 50% of the freight charges on such shipments. In 1938-39 Ontario exhibitors participated at the National Dairy Show, Columbus, Ohio; the International Live Stock Exposition, Chicago; and the World's Fair, San Francisco. At all three exhibitions the Ontario men made an excellent showing. The contribution made to these exhibitors toward the payment of freight amounted to $1,970.13.

FOAL CLUBS

Foal clubs are organized through the Agricultural Representative. The Ontario Live Stock Branch, the Federal Department of Agriculture and the sponsoring organization (usually an Agricultural Society) contribute equally toward the prize money. In addition, officers of the Ontario Live Stock Branch frequently assist in the supervision of the clubs and also at Achievement Days held to culminate the club year.

COLT CLUBS

Following is a summary of colt club work in the province during the year:—

County	Name of Club	Total Members	Amount of Provincial Grant
Brant	Paris	14	$13.50
Bruce	Teeswater	24	25.50
Bruce	Arran-Tara	15	7.50
Dufferin	Orangeville	10	9.00
Durham	Millbrook	27	28.50
Elgin	Southwold	17	12.00
Elgin	Wallacetown	15	18.00
Essex	Essex	15	16.50
Glengarry	Glengarry	18	18.00
Grey	Desboro	15	15.00
Haldimand	Caledonia	13	15.00
Halton	Acton	17	16.50
Hastings	Tweed	12	12.00
Huron	Exeter	20	13.50
Huron	Seaforth	11	6.00
Huron	Brussels	15	7.50
Kent	Ridgetown	13	15.00
Kent	Dresden	18	16.50
Kent	Merlin	10	7.50
Lambton	Forest	18	19.50

Lambton	Brigden	10	12.00
Lennox & Add.	Napanee	13	16.50
Lincoln	West Lincoln	13	15.00
Manitoulin	Kagawong	15	12.00
Middlesex	Ailsa Craig	13	13.50
Middlesex	Strathroy	22	21.00
Middlesex	Melbourne	10	10.50
Middlesex	Thorndale	17	21.00
Middlesex	Glencoe	13	16.50
Middlesex	Ilderton	21	13.50
Norfolk	Norfolk	16	12.00
Northumberland	Campbellford	18	12.00
Ontario	Ontario	13	7.50
Peel	Caledon	10	6.00
Peel	Brampton	15	12.00
Perth	Kirkton	14	9.00
Perth	St. Mary's	19	9.00
Perth	Stratford	26	10.50
Peterboro	Norwood District	16	18.00
Prince Edward	Prince Edward	18	25.50
Renfrew	Cobden	23	16 50
South Simcoe	Cookstown	13	10.50
South Simcoe	Nottawasaga	19	16.50
Victoria	Lindsay	11	7.50
Waterloo	Wellesley-N. E.	22	25.50
Waterloo	Elmira	12	15.00
Wellington	West Wellington	22	22.50
Wellington	Wellington C.	14	13.50
Wellington	Erin	17	15.00
Wellington	Drayton, Peel, etc.	15	9.00
York	Markham	16	16.50
		813	$733.50

The boys who stood first and second in each club were given an opportunity to participate in an inter-club competition held at the O.A.C., Guelph, during October. The winning boys represented the Norwood District Club from Peterboro County. The Ontario Live Stock Branch contributed $45. towards the prizes in this competition.

The boys owning the winning colts in the various clubs were privileged to show their colts in a competition held at the Royal Winter Fair. Prizes were offered for the best colts and also for the boys exhibiting the most skill in showmanship. Fifty-five boys participated in this competition and the Ontario Live Stock Branch contributed $375. towards prizes.

CALF CLUBS

Following is a summary of calf club work in the province:—

County	Name of Club	Total Members	Amount of Provincial Grant
Algoma	Algoma	17	$ 19.50
Brant	Burford	21	27.00
Brant	Paris	20	25.50
Bruce	Bruce County	10	15.00
Bruce	Mildmay	11	13.50
Carleton	Richmond District	16	18.00
Carleton	Carp District	18	24.00
Carleton	Metcalfe District	25	22.50
Dundas	Newington	20	21.00
Dundas	Chesterville	12	9.00
Durham	Beef Club	15	19.50
Durham	Dairy Club	15	21.00
Elgin	Aylmer	12	13.50
Elgin	Belmont	15	19.50

Frontenac	Frontenac	13	19.50
Glengarry	Avonmore	17	18.00
Glengarry	Lochiel	12	16.50
Glengarry	Maxville	16	15.00
Glengarry	Williamstown	32	30.00
Grenville	Merrickville	14	12.00
Grenville	Spencerville	27	30.00
Grey	Kemble	11	15.00
Haldimand	Haldimand	18	18.00
Halton	Milton	23	27.00
Halton	Halton	26	30.00
Hastings	Madoc	13	13.50
Hastings	Belleville	14	18.00
Huron	Lucknow	13	12.00
Kent	Highgate	10	10.50
Kent	Thamesville	16	16.50
Lambton	Port Lambton	10	13.50
Lambton	Sarnia	16	16.50
Lambton	Oil Springs	10	13.50
Lambton	Brooke Township	12	13.50
Lanark	Perth	16	19.50
Lanark	Almonte	25	26.50
Leeds	Lansdowne	14	16.50
Leeds	Lombardy	17	18.00
Lennox & Add.	Napanee	15	16.50
Lincoln	West Lincoln	16	24.00
Manitoulin	Gore Bay	17	7.50
Manitoulin	Silver Water	11	——
Manitoulin	Manitowaning	18	13.50
Middlesex	Melbourne	12	13.50
Middlesex	Middlesex Dairy	16	21.00
Middlesex	Dorchester	15	16.50
Middlesex	Ilderton	16	21.00
Muskoka & Parry Sound	Orrville	16	16.50
Nipissing	Bonfield	13	13.50
Norfolk	Norfolk	16	15.00
Northumberland	Seymour	18	**21.00**
Northumberland	Hamilton Township	14	16.50
Ontario	Ontario	20	22.33
Peel	Brampton Dairy	30	27.00
Peel	Bolton	14	11 50
Perth	St. Mary's Dairy	11	16.50
Perth	Listowel	14	19.50
Peterboro	Lakefield District	23	30.00
Prescott & Russell	Alfred	18	22.50
Prescott & Russell	Vankleek Hill	10	15.00
Prescott & Russell	Russell	17	19.50
Prince Edward	Ameliasburgh	30	22.50
Prince Edward	Picton	16	16.50
Rainy River	Barnhart	14	18 00
Renfrew	Bonnechere Valley	19	25.00
Renfrew	Renfrew County	25	22 50
South Simcoe	Bradford	15	27.00
Sudbury	Verner	11	9.00
Sudbury	Warren	11	10.50
Thunder Bay	Baird	16	27.00
Victoria	Lindsay	16	18.00
Victoria	Bobcaygeon	12	13.50
Waterloo	Wilmot	14	18.00
Waterloo	Galt	22	24.00
Waterloo	Macton	14	19.50
Welland	Welland County	11	15.00
Wellington	Mount Forest	12	13.50
Wellington	Erin	12	15.00
Wentworth	Wentworth	12	9.00
York	Woodbridge	16	22.50
		1290	$1438.83

The boys standing first and second in their clubs participated in an inter-club competition held at the O.A.C., Guelph, during the month of October. The boys winning first prize in the beef cattle clubs represented the Beef Club from Durham County, and the winning boys in the dairy cattle project were from the Napanee Club from Lennox & Addington. The Ontario Live Stock Branch contributed $45. towards the prizes.

SWINE CLUBS

Following is a summary of swine clubs held in the province during 1938:—

County	Name of Club	Total Members	Amount of Provincial Grant
Carleton	Richmond	20	$ 19.50
Dufferin	Honeywood	11	15.00
Lennox & Add.	Napanee	14	15.00
Ontario	Ontario	17	18.00
Rainy River	Crozier	10	15.00
Waterloo	Woolwich	15	13.50
		87	$ 96.00

Boys from the Ontario Club in Ontario County were the successful winners in the inter-club competition held at the O.A.C., Guelph, during the month of October. The Ontario Live Stock Branch contributed $28.50 towards prizes in this competition.

SHEEP CLUBS.

Following is a summary of sheep clubs held in the Province during 1938:—

County	Name of Club	Total Members	Amount of Provincial Grant
Thunder Bay	Thunder Bay	25	$31.00
Carleton	Junior Farmer		40.00
			$71.00

POULTRY CLUBS

Following is a summary of poultry clubs held in the Province during 1938:

County	Name of Club	Total Members	Amount of Provincial Grant
X-Frontenac	Rotary	13	
X-Grenville	Kemptville	26	
Lennox & Add.	Napanee	11	$ 11.00
Lincoln	Lincoln	18	17.00
Prince Edward	Prince Edward	22	20.00
X-Renfrew	Griffith & Matawatchan	27	
		117	$48.00

X—Club year not yet completed.

LOCAL POULTRY ASSOCIATIONS

The Ontario Live Stock Branch has been assisting poultrymen through grants to local poultry associations. These grants are used for paying the services and expenses of judges and lecturers, and also for the purpose of holding local poultry shows. The following is a summary of assistance rendered during 1938:—

Number of Associations holding a show during the fiscal year	17
Number of poultry judges and lecturers supplied	21
Total amount of grants paid to local associations	$899.50
Total expenditures in connection with judges, lecturers, etc.	$270.75

LIVE STOCK PROTECTION ACT.

This act is administered by the Ontario Live Stock Branch. It provided the right of appeal to municipalities or live stock owners when they are dissatisfied with awards made by local valuers for cattle or sheep killed or damaged by dogs. When appeals are lodged, qualified arbitrators are sent to investigate the loss and make final awards. Appeals were filed from the following Counties during 1938:—Wellington, Welland, Grey and Perth. All appeals dealt with sheep killed by dogs. Copies of the Act may be obtained by application to the Ontario Live Stock Branch.

BRANDING OF LIVE STOCK ACT.

Under the terms of this Act the Director of the Live Stock Branch is designated as "Recorder of Brands" for the Province. Since this Act was amended to include poultry, many poultrymen have been taking advantage of it. It is generally believed that the branding of poultry has been a strong deterrent in poultry stealing in the Province. During the year, 205 brands were recorded, which brings the total brands recorded in the Province to 2454.

PURCHASE OF LIVE STOCK

The Ontario Live Stock Branch has been co-operating with the Department of Health, and the Provincial Secretary's Department, in that members of the staff have been responsible for the purchase of much of the live stock bought by these Departments. During the year the following purchases were made:—Boars for the Institutions at Monteith, Kingston, Guelph, London, Mimico and Burwash; 3 sows for the Farm at Monteith; 10 Holstein cows and one Holstein bull for the Monteith Institution; 10 cows for the Industrial Farm, Burwash; 12 cows for the Industrial Farm, Mimico; 3 horses for the Farm at Monteith; 6 horses for the Farm at Burwash.

LIVE STOCK ASSOCIATIONS

The Office of Secretary of a number of Ontario live stock Associations is held by members of the Ontario Live Stock Branch. These include:—

Ontario Horse Breeders' Association.
Ontario Cattle Breeders' Association.
Ontario Sheep Breeders' Association.
Ontario Swine Breeders' Association.
Ontario Yorkshire Breeders' Society.
Ontario Berkshire Breeders' Society.
Ontario Tamworth Breeders' Society.
Ontario Aberdeen Angus Breeders' Association.
Ontario Poultry Association.
Canadian Pony Society.
Canadian Shire Horse Breeders' Association.
Ontario Poultry Confederation.

The executive work in connection with these organizations is carried on by the Secretary. In addition to holding annual meetings some of these organizations hold other meetings of a special nature during the year. Some of these events during 1938 were:—

1. The Sheep Field Day sponsored by the Ontario Sheep Breeders' Association, and held during the month of June on the farm of Mr. John D. Patterson, Richmond Hill.

2. The Yorkshire Field Day sponsored by the Ontario Yorkshire Breeders' Society, and held at the O.A.C., Guelph during the month of June.

3. The Aberdeen Angus Sale, sponsored by the Ontario Aberdeen Angus Association, and held in the Winter Fair Buildings, Guelph, during the month of June.

4. The Yorkshire Sale, sponsored by the Ontario Yorkshire Breeders' Society, and held at the Royal Winter Fair in November.

5. The organization of Provincial Live Stock exhibits at foreign exhibitions.

ONTARIO PROVINCIAL WINTER FAIR.

The fifty-sixth annual Winter Fair was held in the City of Guelph, November 29th, 30th, and December 1st, 1938, with more entries than the building accommodation would comfortably house. This Fair is supported substantially by an annual grant of $8000 from the Ontario Department of Agriculture, and $4000 from the Federal Department of Agriculture. In addition a further special grant of $514. toward the seed section of the prize list, $500 for the payment of judges, and $407.27 for junior activities was paid by the Federal Department, making a total Government contribution of $13,421.27. The actual amount of money paid out in regular prize money, not including special prizes was $16,011.50.

The management and office expense is provided by the Ontario Department of Agriculture through the Live Stock Branch, and the directorate consists of representatives from the following:—

Ontario Horse Breeders' Association.
Onatrio Cattle Breeders' Association.
Ontario Sheep Breeders' Association.
Ontario Swine Breeders' Association.
Ontario Poultry Association.
Ontario Seed Growers' Association.
City of Guelph.
County of Wellington.
Deputy Minister of Agriculture for the Province.

WOMEN'S INSTITUTE BRANCH

PROGRESS IN ORGANIZATION

During the year covered by this report 41 Institutes were organized and 31 disbanded making the present number of active Institutes 1,374 with an approximate membership of 42,100. Of this number 108 are Junior Institutes.

District Annuals—Annual meetings to evaluate work and plan programmes were held in 98 districts with a total attendance of 22,922. For each of these meetings a representative of the Women's Institute Branch assisted the delegates to plan the district programme in Home Economics for the ensuing year.

Conventions—Annual area conventions were held at 13 centres with a total attendance of 4,050. Each area featured one or two special themes. In five areas the theme was some phase of Legislation and in six others, Health and Canadianization.

A representative from the Women's Institute Branch attended each of these conventions. The provincial president was also present at nine of the conventions.

The Belleville Area was honoured by the presence of Senator Cairine Wilson. The Central Area, meeting at Toronto, had the privilege of an address by Lord Elgin. He was accompanied by the Countess of Elgin who also addressed the convention, and by Lady Margaret Bruce.

FEDERATED WOMEN'S INSTITUTES OF ONTARIO

The provincial board met twice during the year—the executive only in April and the complete board in November.

Standing Committees—To make for more effective work and for ease in planning programmes, the various phases of work undertaken by the Institutes continue to be grouped under standing committees: Agriculture and Canadian Industries; Canadianization; Community Activities and Relief; Education; Health and Child Welfare; Historical Research; Home Economics; Legislation; and Peace Education and International Relations.

A printed outline of the functions of Standing Committees is available from the Department. The provincial convener of each committee gives assistance to the district conveners who in turn guide the activities of the committees in their own districts. adapting the study to the specific needs of the community.

During 1938-39, outstanding work was accomplished by many Institutes in Home Beautification and in Reforestation. Other community enterprises undertaken were many and varied.

Foreign Affiliations—Ever widening interest of local Institutes in peoples of other lands is evidenced. Correspondence has been established through this office and carried on not only with Institutes in other provinces of Canada, but with those in other countries as follows: Australia 17; Denmark 1; England 23; Ireland 1; New Zealand 31; Scotland 5; South Africa 5.

The affiliation of the Federated Women's Institutes of Ontario with the Federated Women's Institutes of Canada and the Associated Country Women of the World gives breadth of vision to the organization.

Relief Fund for Northern Ontario—In addition to the Putnam Memorial Fund, the Simcoe Convention Area and individual members have assisted needy districts in northern Ontario ,especially in the fire-swept area of Fort Frances. The Simcoe Area devoted their funds chiefly to the purchase of suitable footwear. Others have contributed clothing, food, household supplies and money. The fund is administered through the Women's Institute Branch which investigates appeals and approves requests for aid. During the year, 45 bales valued at $500., with a total weight of 2,010 pounds, were sent to various parts of northern Ontario.

Packet Loan Collection—To assist members with the preparation of programme material during the past year, 944 Institutes were served through the loan of 4,437 articles dealing with: Art 12, Canadianization 304, Canadian Industries 245, Education 1,002, Health and Child Welfare 299, Home Economics 718, Legislation 431, Music 35, Noted Canadians 51, Peace Education 401, Women's Institute History 66.

Distribution of Literature—Four copies of "Home and Country", financed jointly by the F.W.I.O. and Women's Institute Branch, were printed and distributed free of charge to every Institute member. New literature printed during the year included "The Co-operative Programme in Home Economics for 1939-40" and a leaflet on meat.

New mimeographed material prepared for distribution to leaders and members in the senior projects included "Preservation of Fruits", "Milk and Cheese in the Family Menu" and "Fruits for Food and Flavour" and for the homemaking clubs "Sleeping Garments" and "Meats in the Menu".

Correspondence—In addition to 87 circular letters with a circulation of about 23,568, approximately 16,500 letters were sent out during the year.

Legislative Grants—The total amount disbursed as grants to districts and to local Institutes, which asked for this service and had met the necessary requirements, was $6,191. Of this amount $2,421. was paid to 807 local Institutes and $3,770. to 98 districts.

Co-operation with Other Organizations and Agencies—The Women's Institute Branch wishes to acknowledge the assistance given so generously by other Branches of the Department of Agriculture, mentioning especially the co-operation of the Ontario Agricultural College and Macdonald Institute, the Agricultural Representatives Branch and the Agricultural and Horticultural Societies Branch.

The Women's Institute Branch co-operated with the Home Economics Department of the Kemptville Agricultural School by supplying three instructors to aid in carrying out a two-day course for judges of women's exhibits at Fall Fairs held under the Agricultural Societies. Assistance was given at the Agricultural Societies Convention in Toronto.

Co-operation has been continued with such worthwhile organizations as the Canadian Red Cross, Canadian Welfare Council, Ontario Association for Adult Education, St. John Ambulance Association, Canadian Institute for the Blind and Ontario Society for Crippled Children.

THE STAFF OF THE WOMEN'S INSTITUTE BRANCH

The staff consists of a superintendent; general assistant; supervisor of junior programme; four field assistants in senior work; five secretaries and clerks; nine junior home economics coaches. Forty-one additional instructors were employed for periods of time varying from one day to ten months.

In November, 1938, after four years of service, Miss Bess McDermand resigned her position as superintendent to be married. During her service with the Department Miss McDermand made an invaluable contribution to the Women's Institutes of Ontario, especially by building a fine programme in Home Economics and by holding before the women high ideals and standards of homemaking and community activities.

Miss McDermand has been succeeded by Miss Mary A. Clarke, formerly lecturer at Macdonald Institute, Guelph.

Staff Conferences—Five staff conferences were held during the year. In May, 1938, the staff of speakers for district annual meetings for 1938 met to discuss the presentation of the Co-operative Programme in Home Economics. In March, 1939, a similar conference was held to discuss the same work for 1939.

In October, the fourth annual three-day conference of the entire teaching staff was held at Macdonald Institute, Guelph. The staff of Macdonald Institute gave valuable assistance by bringing to the conference reports of recent research in the field of Nutrition and Clothing.

In December and again in March the Home Economics coaches met for two days to plan the junior programme.

CO-OPERATIVE PROGRAMME IN HOME ECONOMICS

The Women's Institute Branch continues to be responsible for an educational programme to promote efficient homemaking.

As in previous years, provision was made for study in each of the following divisions of home economics—Clothing and Textiles, Foods and Nutrition, Health Education, Home Crafts, and Housing. In addition to the home economics programme, instruction was offered in Administrative Leadership.

Instruction was given through local leader training schools, home conferences, home demonstrations, officers' rallies, speaker service and three and five days short courses.

Because the programme year (July 1 to June 30) does not coincide with the fiscal year it is difficult to give a clear and accurate picture of the work accomplished through the Co-operative Programme. But some idea of what has been done during the fiscal year may be gathered from the following reports presented by the home economics instructors.

Clothing and Textiles

Local Leader Training Schools: "Buymanship" was studied in 13 districts with 107 local leaders and 31 assistants. Sixty-one leaders have completed their work and report 184 meetings with 1,862 women receiving instruction. These with the work reported during the year as a result of the previous year's training schools in 20 districts make a total of 584 meetings held by local leaders with 5,051 women taught.

"Care of Clothing" was studied at nine training schools with 70 local leaders. Fifteen reports have been received stating that 218 women received instruction at 55 meetings.

"The Kitchen Ensemble" was studied in six training schools with 47 local leaders. One more school is planned for May. This work has not been completed and reports have not been received as yet. Summary days of the previous year's work in "The Kitchen Ensemble" were held in four districts with 230 garments exhibited and an attendance of 129.

Twelve five-day short courses in "The Use of Commercial Patterns" were held with a total enrolment of 195 and 19 courses in "Remodelling" with an enrolment of 251.

Foods and Nutrition

Local Leader Training Schools: "Preservation of Fruits" was added to the courses available in Foods and Nutrition for 1938-39. Four schools were held with 31 local leaders and five assistants in attendance. Four summary days followed these schools with an attendance of 260 women from 26 Institutes.

In addition 20 training schools were held in "Meat Cookery", seven in "Vegetable Cookery", two in "Uses of Whole Wheat", one in "Fruits for Flavour" and one in "Milk and Cheese in the Family Menu". Local leaders and assistants at these schools totalled 681. Reports of their work are incomplete, but according to the literature sent out 6,061 women have received instruction. Summary days following last year's training schools in "Vegetable Cookery" were held in 16 districts with an attendance of 534 women from 81 Institutes.

Speaker Service: Fifty meetings were held in 11 districts with a total attendance of 1,948. Nine districts chose as their subject "Feeding the Family for Health" and two chose "Table Setting and Home Service".

Home Demonstrations: Pamphlets outlining home demonstration in "Relieving Constipation" to the number of 104, and 49 in "Gaining Weight" were distributed to individuals who asked for this service.

Short Courses: "Food Preparation" was studied in 27 short courses with an enrolment of 695 and a total attendance of 3,175. A special two-day course in Nutrition was given to the public health nurses of the Eastern Ontario Health Unit with 12 nurses in attendance.

Comparison of Work in Foods and Nutrition 1937-38 with 1938-39.

Local Leader Schools—11 more schools; 126 more Institutes; 273 more leaders.

Short Courses—9 fewer courses; 604 more in attendance.

Speaker Service—8 districts more; held in 29 more centres; increased attendance 736.

During the summer of 1938 through co-operation with Macdonald Institute and the Department of Horticulture of the Ontario Agricultural College research on food preservation was begun by a member of the Women's Institute staff. This is to form the basis for a bulletin to be completed during the coming year.

Health Education—

Meetings were held in four districts at 15 centres with a total attendance of 552. Two districts discussed "Emergencies in the Home" and the remaining two districts "Responsibility of the Institute in Promoting Public Health".

Twenty-four five-day short courses were held with an enrolment of 544 and a total attendance of 2425.

Home Crafts—

Local Leader Training Schools: Local leaders from 156 Institutes attended 16 training schools in "Leather Glove Making". According to the 99 reports of completed work, 1,367 women received instruction and made 3,309 pairs of gloves.

Five training schools were held in "Quilts and Quilting" with 46 leaders in attendance. Completed work is reported by 17 leaders, with 383 women taught.

Three training schools in "Home Utilization of Wool" with 20 leaders have been held, with one more school planned. Reports show 16 leaders completed their work with 336 women taught; 132 articles were made and 155 women put their training in washing wool into actual practice.

Sixty-two short courses were held—18 in "Hooked and Braided Rugs", 39 in "Needlecraft" and five in "Home Utilization of Wool". The total enrolment was 948 and the total attendance 5,776.

Housing—

Local Leader Training Schools: Eight districts held training schools in "Refinishing of Furniture" with 35 leaders. Twelve of these completed their work. Their reports, together with 13 reports of work from last year show 226 women received instruction with 216 pieces of furniture refinished.

Two districts held training schools in "Reconditioning of Furniture" with seven leaders. Two leaders completed their work with nine women taught.

Summary days of last year's work in "Refinishing of Furniture" were held in eight districts with an attendance of 401.

Speaker Service: Meetings were held in one district at five centres with an attendance of 182. The subject was "Home Furnishing an Essential Part of the Homemaker's Programme".

Home conferences in "Arrangement of Furniture" were held in 30 centres, in four districts, with an attendance of 358. At these meetings the instructor from this Branch met in a home with the women. Following these meetings, 98 local conferences were held with an attendance of 755.

Later, the instructor returned for a final conference to 12 centres where the work was completed. She also made return visits to 12 centres in two districts where instruction was given last year. The attendance at these meetings was 272.

The total number of home conferences held during the year was 152 with a total attendance of 1,253. At two district meetings, where slides of furniture were shown as a follow-up of last year's work, the attendance was 114.

Administrative Leadership—

Forty districts held officers' rallies with 351 Institutes represented and a total attendancce of 1,507. Under Speaker Service three districts held sixteen meetings with a total attendance of 887. Two districts chose as their subject "Responsibilities of the Local Institute" and the third district chose "Personal Responsibilities in Community Life".

SUMMARY
NUMBER OF CONTACTS WITH DIFFERENT INDIVIDUALS DEPARTMENT SERVICE TO SENIOR INSTITUTES, APRIL 1, 1938—MARCH 31, 1939.
—1939.

Type of Service	No.of Contacts with Different Individuals		
	Direct	Indirect	Total
Local Leader Training Schools:			
Clothing	384	5,269	5,653
Foods and Nutrition	1,475	6,061	7,536
Home Crafts	222	2,086	2,308
Housing	443	235	678
Speaker Service:			
Administrative Leadership	887	....	887
Foods and Nutrition	1,948	....	1,948
Health Education	552	....	552
Housing	182	....	182
Home Conferences:			
Housing	744	1,272	2,016
Home Demonstrations:			
Foods and Nutrition	153	....	153
Officers' Rallies:			
Administrative Leadership	1,507	....	1,507
Short Courses			
Clothing	446	....	446
Foods and Nutrition	695	....	695
Health Education	544	....	544
Home Crafts	948	....	948
District Annuals:			
Programme Planning	22,922	....	22,922
TOTAL	34,052	14,923	48,975

JUNIOR EXTENSION PROGRAMME IN HOMEMAKING

Junior Homemaking Clubs—This work is in charge of staff members known as home economic coaches. Each coach serves several counties. The organization was similar to that of the previous year.

In the spring of 1938, two training schools were held in "The Milky Way", three in "Clothes Closets Up-to-Date", seven in "Summer Clothes for Girls", nine in "Cotton Accessories for the Club Girl's Bedroom", and 20 in "Cottons May be Smart". As a result of these schools and the 51 schools held in the previous fall and winter, 2,155 club members exhibited at the 50 county achievement days held in the summer of 1938.

Girls' Garden and Canning Clubs were conducted in 18 counties with an enrolment of 293 members. Of these, 188 completed the work required and attended a special county achievement day.

In 1938, the Dominion Government again offered prizes for supervised club work at grade A and grade B fairs. In Ontario the girls' programme at these fairs was drafted in line with the homemaking clubs carried on in the various counties. As an outcome of this programme, 576 girls from 56 counties and districts exhibited at the four provincial grade A fairs and 547 girls from 36 counties at the 12 grade B fairs.

The homemaking club programme for the fall and winter of 1938-39 was enlarged to include a clothing club "Sleeping Garments" in which 12 counties held training schools resulting in 73 clubs with 464 active members. In addition, six counties held training schools in "Dressing-Up Home Grown Vegetables"; nine in "The Milky Way"; one in "The Supper Club": three in "Being Well Dressed and Well Groomed"; six in "Clothes Closets Up-to-Date" and 14 in "Cotton Accessories for the Club Girl's Bedroom".

There were 338 clubs with 2,576 active members carrying on in the winter of 1938-39.

SURVEY OF HOMEMAKING CLUBS APRIL 1, 1938 — MARCH 31, 1939

Name of Club	Spring Training Schools			Fall Training Schools			Total		
	Training Schools	Clubs	Active Members	Training Schools	Clubs	Active Members	Training Schools	Clubs	Active Members
Being Well Dressed & Well Groomed	....	......	....	3	24	188	3	24	188
Clothes Closets Up-to-Date	3	10	239	6	23	184	9	33	423
Cotton Accessories for the Club Girls' Bedroom	9	29	477	14	119	883	23	148	1,360
Cottons May Be Smart	20	90	711	....	......	....	20	90	711
Dressing Up Home Grown Vegetables	....	......	....	6	45	341	6	45	341
Garden and Canning	18	18	188	....	......	....	18	18	188
Sleeping Garments	....	......	....	12	73	464	12	73	464
Summer Clothes for Girls	7	23	105	....	......	....	7	23	105
The Milky Way	2	3	40	9	51	449	11	54	489
The Supper Club	....	......	....	1	3	67	1	3	67
TOTAL	59	173	1,760	51	338	2 576	110	511	4,336

Winter Short Courses—During the winter of 1938-39, 35 short courses in Home Economics for young women were held in co-operation with the courses in Agriculture for boys organized by the county Agricultural Representatives.

The course of study for the five three-month schools included Clothing, Foods and Nutrition, Health Education, Household Management and House Furnishings.. For the 30 one-month schools, the course of study included Foods and Nutrition, Household Management and, in all but two courses, either Clothing or Health Education. Twenty classes chose Clothing and eight chose Health Education.

Special one-week and two-week courses were held in eight centres to meet particular needs. Four of these courses were held on Indian Reserves. Foods and Nutrition was taught in every course and Clothing in four of them.

Reports of the work in Health Education show that at least 50 girls had a medical examination, 180 showed definite improvement in posture and 400 homes had their drinking water analyzed.

In Clothing, attention was directed to personal grooming and to proper selection of clothing, as well as to construction. Reports show 735 garments made.

In Housefurnishings the girls learned to dye material and to make their own designs. Some 230 household accessories were made including hooked rugs, papier mache bowls, teapot stands and hand-woven articles.

In Foods and Nutrition, the results are difficult to evaluate, but the courses should result in increased consumption of milk, whole cereals, vegetables, and fruits, and in improved standards of food preparation and serving.

SURVEY OF WINTER SHORT COURSE ENROLMENT

	Three-Month	One-Month	Two-Week	One-Week	Total
Number	5	30	3	5	43
Enrolment	171	1,096	93	265	1,625
Average Enrolment	34	36	31	53	
Average Attendance	23	24	24	41	
Average Age	18				
From Farms	83%	66%		Information not available	
With High School Education	39%	46%			
With Special Training	7%	8%			

Girls' Conference—On May 10 - 13 the thirteenth annual conference of rural Ontario girls was held at the Ontario Agricultural College, Guelph. This conference is organized and carried on by the Women's Institute Branch co-operating with the staff of the College.

Thirty-two counties were represented by 413 girls, with 172 additional girls attending occasional sessions. At this conference the girls received training in leadership as well as much information of interest and value to rural girls.

OUTLOOK

The Women's Institutes of Ontario is an educational organization.

There is need for the Women's Institute Branch to continue and extend its policy of providing Home Economics education for rural women, to aid them in their tasks of raising the standards of living of Ontario farm homes and thus make rural life more satisfying. While farm incomes are still a limiting factor, yet much may be done to raise standards by proper use of material at hand. The problems of consumer buying and use of resources found in and around the farm home are important ones today. The requests of the members for leadership in Child Guidance, Family Welfare and Co-operative Organization should be met as soon as possible.

There is still opportunity for growth of the Women's Institute movement in Ontario. In the more recently and more sparsely settled areas of the Province there is a real need for the unique contribution which the Women's Institute makes while in older districts its influence can still be extended.

FRUIT BRANCH

Weather conditions, specially in the early part of the season, have a great deal to do with the success or otherwise of the fruit business each year. 1938 was no exception, with apples and grapes in the Southwestern counties bearing the brunt of the reduction in crops.

Total commercial production was finally shown as below, compared with 1937 and the previous five years' average:—

	1938	1937	5 Yrs. 1932-36
Apples	803,065 Bbls.	745,300 Bbls.	804,900 Bbls.
Peaches	595,600 Bus.	525,700 Bus.	562,900 Bus.
Pears	295,800 Bus.	185,500 Bus.	234,500 Bus.
Plums	77,200 Bus.	56,000 Bus.	95,200 Bus.
Cherries	139,499 Bus.	101,900 Bus.	157,200 Bus.
Grapes	33,638,000 Lbs.	52,000,000 Lbs.	40,152,000 Lbs.
Raspberries	5,509,750 Qts.	4,043,900 Qts.	2,679,900 Qts.
Strawberries	7,771,000 Qts.	6,880,320 Qts.	9,105,300 Qts.

The heaviest crop reduction was in grapes, the total being over 17,000,000 lbs. less than 1937. In apples, the McIntosh variety in Western Ontario was off, but the loss was offset by a heavier production of Northern Spy. An earlier prediction of a decided decrease in total crop in this area was later changed owing to favorable growing conditions with much increased sizing of the fruit.

Extension of the marketing schemes for fruits and vegetables used for processing helped decidedly in the steadying of prices over the whole field of markets; while the shortage in Great Britain created a favorable situation in the export markets for plums and pears as well as the later shipments of winter apples.

Small Fruits:

Small fruits under better weather conditions than the previous year increased considerably in both quality and quantity. Raspberry prices fell to low figures and picking ceased in some areas before the entire crop was harvested. Undoubtedly there will be a reduction in the acreage devoted to this fruit, particularly in the Niagara District, as returns have been steadily falling in recent years. As this section produces about 30% of the total crop, it would appear as if the raspberry production in Ontario will fall off. Very heavy increases in British Columbia and Quebec, with very low prices for processed fruit either with sugar or sulphur dioxide, has undoubtedly affected the demand for our fruit for jam purposes. The one variety still getting a premium is the Cuthbert, which is the outstanding kind for high class jams.

Exports:

Under the demand for plums and pears in Great Britain, already mentioned, the export of these fruits was stimulated. While the crop of Bartlett pears and the later kinds of plums was lighter than usual, the province was able to ship out to this market over fifty cars of pears and sixty of plums, a welcome outlet at any time for these fruits.

Export of apples, largely, a surplus operation so far in Ontario since the freeze of 1933-34, increased slightly over the average for the past few years. Owing to heavy exports from Nova Scotia and British Columbia, prices before the New Year were generally low with the exception of Greenings and Delicious. Forward sales were readily made. On the other hand, Baldwins, owing to generally larger sizes, were difficult to move, the few cars available later on in the favorite sizes 2¼ in. - 2¾ in., fetching good prices.

Holding the Stark variety in refrigeration until the last of the season again proved profitable, with prices on the No. 1 grade 2½ in. up ranging from 26/ to 32/ with Domestic grade from one to two Shillings less. This deal has been supervised by our Eastern field staff for many years, much to the profit of the growers. Lack of cold storage facilities in the district owing to a heavier crop there, compelled the storing in Montreal of most of the Starks this past season.

There is still room for some further extension of cold storages specially in the extreme southwestern part of the Province and in the Eastern counties along Lake Ontario. Heavy replacements of apple trees following the freeze of 1933-34 consist largely of varieties like McIntosh and Spy, which must be stored in refrigeration for winter markets. Very few of these trees are in bearing, yet this season it was found necessary, as stated above, to store outside the Province at extra expense to the growers for freight and repacking, considerable quantities of export apples.

The Plant Diseases Acts:

As our exports of apples are controlled to a certain extent by the freedom of the fruit from the apple maggot, special efforts are made by the Department each year to control this insect. Under the provisions of the Plant Diseases Act and Regulations, growers register their orchards with the Department, agree to follow the recognized spraying instructions for the control of the maggot, while the Department inspects the work and the results, and also compels all owners of surrounding property to clean up any hawthorn trees.

This past year, 2,457 orchards were recommended for fall inspection of the fruit, the majority being in those sections that are interested in export to Great Britain.

By Counties, these were divided as follows:—

Brant	34
Dundas	15
Durham	244
Elgin	64
Essex	18
Frontenac	7
Grenville	12
Grey	178
Halton	80
Hastings	35
Huron	57
Kent	20
Lambton	44
Middlesex	163
Norfolk	238
Northumberland	468
Ontario	37
Oxford	120
Peel	43
Prince Edward	414
Simcoe	49
Welland	5
Wentworth	49
York	19

Weather conditions have a great deal to do with both control spraying and the number of maggot flies present. This season was unusually bad with the result that more orchards were reported in the fall inspection as lightly infested than in the past four years. Heavy infestation is now a thing of the past, but growers will be compelled to pay more attention to the late sprays in July which are the ones that control this pest.

In Norfolk County, arrangements were made to try out a larger area for insect control, the regulations being amended to permit of this plan. A section containing about 5000 acres with 1000 acres in apple orchards, was set aside for the trial with instructions to the inspector to have cleared out all hawthorns, wild apples and any neglected apple trees, and all orchards properly sprayed. In addition, all wild neglected trees outside the zone but within 600 yards of any orchard in the zone were destroyed.

The Farm Products Grades and Sales Act:

New regulations were issued in 1937 under the Farm Products Grades and Sales Act. These were prepared in co-operation with the Federal Fruit Branch whose inspectors carry out the administration of our Act as well as the Fruit, Vegetable and Honey Act. Prosecutions for infringement of the Regulations were made principally for overfacing and in most cases against truckers who are now such an important factor in the fruit and vegetable trade.

As a result of certain court decisions, it has been found necessary to further amend the Act, and following a conference with the Federal Department, changes will be made in the regulations, which should be of material benefit to the industry. Owing to the extent in which Ontario is interested in interprovincial trade in many lines, the regulations must, of necessity, conform very closely to those of the Dominion.

VEGETABLES

Owing to low prices for so many kinds of vegetables, there is much discouragement expressed by growers who are fighting a hard battle to maintain their grades as to quality and to break even financially. However, hope is still with them that conditions will soon improve.

During the season, weather conditions were favorable for growth and crops in all lines were abundant, and of fine quality. Owing to lessened export demand for canned tomatoes, the acreage and pack of this vegetable were considerably reduced. Acreage and production figures are here given for the leading crops:—

Tomatoes	34,752 acres	7,296,286 bushels.
Asparagus	2,356 acres	2,035 tons.
Beets	607 acres	5,824 tons.
Cabbage	2,376 acres	26,498 tons.
Carrots	1,378 acres	12,713 tons.
Cauliflower	631 acres	2,840,490 dozen.
Celery	1,375 acres	605,250 crates.
Lettuce	798 acres	700,400 dozen.
Onions	3,081 acres	402,035 cwt.
Parsnips	407 acres	2,395 tons.
Potatoes (including late field crop)	91,015 acres	313,573 tons.
Spinach	649 acres	5,693 tons.
Turnips (table)	8,470 acres	76,765 tons

FIELD WORK BY THE VEGETABLE SPECIALIST

Garden and Crop Competition:

Judging of the entries in this competition was again carried on during the summer with a continued improvement in all lines. Cleaner surroundings, more home beautification and better cultivated gardens were found. These competitions have proven very popular with the producers and apparently the assistance given by the Department is much appreciated.

Meetings:

Many meetings and short courses have been held during the year, at which the Fieldman has spoken on such topics as cultural methods, disease and insect control, packages and grades, varieties, etc. Such meetings included those among Women's Institutes, on several of the Indian Reserves, among the settlers in Northern Ontario in addition to the chief work among the branches of the Provincial Vegetable Growers' Association.

Fairs and Exhibitions:

Supervision was undertaken of the exhibits at both the Canadian National Exhibition and the Royal Winter Fair, and with improved facilities, these two shows were outstanding in the display of Ontario grown vegetables.

Judging was also continued in many of the small fairs in the Province, where a definite improvement is shown both number of entries and quality of produce. Several fair boards have asked and received assistance in revising prize-lists and staging exhibits to better advantage.

Various Garden Schemes:

Assistance was given in planning and judging gardens for several schemes among the war Veterans, unemployed, hospitals, etc., and lectures were arranged wherever requested. In Toronto and York County alone, there are about 4000 garden allotments among the unemployed and their exhibits of vegetables is a leading feature in the display at the Canadian National Exhibition.

AGRICULTURAL REPRESENTATIVE BRANCH

FOREWORD

Due to the abnormal economic agricultural conditions pertaining to the year 1938-39, requests for the Agricultural Representatives' services have never been greater during the history of the Branch.

The Restricted Area canvass in a large number of counties increased very materially the number of meetings and office detail.

With grain prices, including wheat during the latter part of the year, averaging well below a cent a pound, with a marked downward trend in the price of butter fat and cheese during the year, farmers who had previously depended on these outlets for the major portion of their farm income were forced to seriously study farm management problems and naturally turned to the local Agricultural Representative for guidance and assistance.

Although 1938 was marked by a general falling in prices for all farm commodities, ranging from rather drastic reductions in dairy products, other than bottled milk, and grains, to slight reductions in bacon hogs, beef cattle, horses, breeding stock and apples, it was also noted that farm spending was increased as indicated by the number and extent of repairs to buildings, new machinery purchased and the extension of Hydro in rural districts. Increased spending during 1938 may be attributed to the comparatively satisfactory prices obtained for farm products during 1937.

Soil problems, such as moisture and fertility conservation ,soil erosion, increased need for commercial fertilizer, pasture improvement and reforestation have all been forcibly brought to the farmers' attention through failing crop yields and mineral deficiency symptoms in live stock. This has opened a large and comparatively new field of endeavour for the Agricultural Representatives.

In Northern Ontario, in districts where no veterinarians are located, the Agricultural Representative voluntarily assumes some veterinary duties. In this connection the Agricultural Representative at Emo made 529 trips, treated 2189 animals, gave out 2933 prescriptions, held 11 post mortems and did 57 minor operations. Chick vaccine was supplied at cost, and 1300 horses were treated for the prevention of sleeping sickness.

Junior Extension has been well maintained with some increase in the number of short courses held and an appreciable increase in the number of Boys' and Girls' Clubs.

There were 65 short courses ranging from 5 days to 3 months, with a total attendance of 2456. Some 525 School Fairs were conducted, with a total of 331,132 entries and a total attendance of 300,000.

There are 142 Junior Farmer Associations in the province, with a membership of 4500 young men.

Six hundred and fifty five Boys' and Girls' Clubs, including Home Economics Clubs, were organized with a membership of 6657.

Forty-nine Judging Competitions for young men and 48 for young women were organized and conducted, with a total of 4130 contestants.

The services of the Agricultural Representative are extended over a wide range of subjects, including every branch of Agriculture as well as the social and home life of rural people. Major activity during 1938-39 includes, however, such problems as Health of Animals, more particularly T.B. Restricted area work, Soil and Fertility problems, Farm Management, Home Beautification, Reorganization of Crop Improvement work, various marketing problems, Live Stock Improvement and Junior Extension including Boys' and Girls' Clubs, School Fairs, Junior Farmer Associations and Short Courses.

During the 32 years of Agricultural Representative Service, the activity of the Representative has gradually developed from the strictly educational to include both educational and economic problems.

The Agricultural Representative both with individual farmers and groups, in private conversation and in public meetings, is devoting more and more time to a study of the dollars and cents problems of Agriculture. The following extracts are quoted from reports of Agricultural Representatives:

Kent County—"Never have we had so many occasions to discuss with farmers their farm business and farm management."

Peel County—"I have never had, in any one year, so many requests to discuss individual problems. The questions varied greatly but in a great many cases they were on matters pertaining to farm management or farm programme."

Although the Agricultural Representative may be considered as the key man of his county, yet his individual effort would be of little avail if it were not for the excellent co-operation of a large majority of the farm families, men, women, young people and other rural workers and service clubs, with the excellent assistance, backing and support of the officials of the Ontario Department of Agriculture, our Agricultural Educational Institutions and the assistance and co-operation of the Federal Department of Agriculture.

CHANGES IN PERSONNEL

New Offices—Two new offices were opened in the District of Cochrane at Matheson and Hearst.

Transfers—Ian MacLeod, from Huron County to Northumberland County; A. H. Martin, from Northumberland County to Head Office as Assistant Director.

Resignations—M. C. McPhail, Assistant Director, to become Principal of the Kemptville Agricultural School, Kemptville, Ont.; G. R. Paterson, from Bruce County, to become Assistant Trade Commissioner (Animal Products) Department of Trade and Commerce, London, England.

New Appointments—
J. C. Shearer, to Huron County;
L. H. Hanlan, to Cochrane South;
W. A. Montcalm, to Cochrane West as Agricultural Representative and Manager, Hearst Demonstration Farm;
G. R. Gear, to Bruce County.

SUMMARY OF OFFICE WORK

	Total	Average per office
No. of Letters Received	113,951	2234.3
No. Letters Written	107,762	2113.0
No. Circular Letters Mailed	466,413	9145.3
No. Meetings Addressed or Attended	5,056	99.1
Attendance at Meetings	267,855	5252.0
No. Visitors to Office	137,515	2696.3
Mileage	885,304	17358.9

LIVE STOCK IMPROVEMENT

Horses

The demand for good work horses continued fairly keen throughout the year till January, 1939, when the horse market became rather dull and by April 1st prices had dropped as much as 30% compared with a year ago. Increased breeding, along with heavy importations of work horses from Western Canada and a tendency to change from the use of horses to tractors, as indicated by heavy tractor sales, have contributed to the slump in horse prices.

Fifty-one Boys' Foal Clubs, with a membership of 813, were organized and instruction given in horsemanship, care, feeding, management and training of horses.

Bot Fly Control was encouraged but as organized control methods had previously been effectively demonstrated in most counties, no organized programme was carried out in 1938-39.

Agricultural Representatives assisted Stallion Inspectors when they made their annual fall inspections.

Cattle

Organization for the establishment of T.B. Restricted Areas constituted one of the major activities in many counties.

Warble Fly Control

Organized Warble programmes were conducted in the counties of Oxford and Lambton, and on Barrie Island in the District of Manitoulin. Organized programmes have been carried on in other counties in previous years to demonstrate the value and effectiveness of treatment. Warble powder is now stocked by local stores and sold direct to cattle owners. Careful tests on Barrie Island, where organized treatment has taken place since 1932, show that the average number of warbles per animal has been reduced from 14 in 1932 to one grub per two animals in 1938.

Results of work in Lambton County are given in the following table:

Year	Cost	Lbs. Powder Distributed	No. Cattle
1935	$1,327.82	3,849	71,000
1936	831.96	2,500	71,000
1937	750.00	1,844	71,000
1938	545.70	1,350	71,000
Total Cost—$3,455.48			

The table shows that the material required was reduced from 3,849 lbs. to 1,350 lbs. in 4 years and the cost was reduced from $1,347 to $545.

Oxford County has carried on similar work for 5 years but is discontinuing the work in 1939-40, because only 64% of the school sections applied for powder in 1938-39 and the key men were becoming tired of distributing the powder year after year.

The Agricultural Representatives of both Lambton and Oxford are of the opinion, after four and five years' experience, with free distribution, that permanent results can only be maintained by some system of compulsory treatment.

Considerable improvement has been made in the quality of live stock in the Northern sections of the Province, through the Federal Bull Loaning policy. Some 102 clubs have been organized by Agricultural Representatives, as follows:

District	No. of Clubs	Breed of Bull	No. Members
Algoma	22	17 Shorthorn 4 Angus	153
Kenora	6	1 Ayrshire 2 Holstein 4 Dairy Shorthorn	52
Lanark	1	1 Shorthorn	8
Manitoulin	9	8 Shorthorn 1 Hereford	72
Muskoka	18	1 Holstein 17 Shorthorn	150
Nipissing	11	9 Shorthorn 2 Ayrshire	99
Rainy River	12	Shorthorn Ayrshire	112
Renfrew	6	6 Shorthorn	45
Sudbury	1	1 Ayrshire	10
Temiskaming	1	1 Shorthorn	15
Thunder Bay	15	12 Shorthorn 3 Holstein	121
	102		837

Cow Testing

The number of herds under R.O.P. has greatly increased and, as a result, only 1015 cows are being tested under the Cow Testing Plan.

The following illustration from Halton County will, however, indicate the value of cow testing:

Total Cows on Test—379.

	Aver. Lbs. milk per cow	Aver. Lbs. fat per cow	Total Value	Difference
High Herd	13,170	451.0	$276.57	$ 146.45
Low Herd	5,942	222.2	130.12	
High Cow	17,559	644.4	397.27	315.43
Low Cow	2,800	114.6	63.84	

Values are calculated on the basis of 3.4% milk at $2.10 per cwt. with a variation of 3c per cwt. above or below the standard.

There are 5640 Accredited Herds and over 700 Federally Negative Bangs' Disease herds in Ontario.

SHEEP

Fifteen Drenching demonstrations were conducted by Agricultural Representatives. It is estimated that farmers annually treat thousands of sheep and lambs for internal parasites. Agricultural Representatives assisted in the organization and holding of ten lamb fairs.

The Rainy River Sheep Breeders' Association shipped co-operatively sheep and lambs to the value of $21,076 and 39,506 lbs. of wool.

SWINE

As a result of swine improvement work which originated in Waterloo County 4 or 5 years ago, pigs of Advanced Registry Breeding have been raised and sold to all parts of Ontario. Advanced Registry Pig Clubs have been organized by the Agricultural Representatives in the counties of: Grey, Wellington, Hastings, Haldimand, Bruce, Renfrew, Halton, Perth and Oxford, and in every case where definite work of this type has been established for two or more years, the percentage of top grade market hogs has materially increased.

Swine improvement has also been carried on extensively in many other counties, particularly those producing lower grade hogs, with excellent results. In this connection 77 Boar Clubs have been organized. In each case a good quality pure bred boar is loaned to this club by the Ontario Live Stock Branch. One Bacon Hog Fair was held at Napanee., and four additional Bacon Hog Fairs were held in Dundas and Lambton in co-operation with the Agricultural Societies.

POULTRY

The Agricultural Representative receives frequent requests to examine and prescribe for disease infested flocks.

Agricultural Representatives are having considerable success in disease control by establishing sufficient blood tested flocks to supply local hatchery needs and they are also making Boys' and Girls' Poultry Club work the basis or forerunner for the establishment of Poultry and Egg Shipping Associations.

In Oxford County, where sufficient blood tested flocks have been established for some years to supply the Oxford Co-operative with hatching eggs, the Agricultural Representative states that the number of requests to clear up poultry diseases is now comparatively small.

Weekly pool shipments of poultry to central packing plants is a distinct advantage over the older poultry street fair, in that it spreads marketings over a much greater part of the year and is conducive to stabilizing prices.

In Prescott & Russell Counties, graded poultry and egg shipments to the value of $67,427 were marketed through pools and poultry associations.

In Renfrew County, three poultry associations handled eggs and poultry to the value of $35,519, an increase of over $10,000 over the previous year's business. In addition, an unstated amount was handled co-operatively at two stations by the U.F.O. Poultry raisers from the back sections of Renfrew stated that they had received twice as much from the pool as from local buyers.

Eleven Counties reported Pool and Co-operative marketings of eggs and poultry to the value of $370,754.

SOIL AND CROP IMPROVEMENT

One of the most important developments in crops work was the reorganization of all crop improvement effort into the Ontario Crop Improvement Association, with provision for a branch in every county or district. Although organization was not completed till late in the year, twenty county organizations have already come into being. Ten County Seed Fairs were held under the auspices of the Association and in many cases the Agricultural Representative acted as organizer and administrative officer. Several other county seed fairs, two district seed fairs at Napanee and Arnprior and the Provincial Corn Show at Chatham require an appreciable amount of the Agricultural Representatives' time.

The offices of nineteen Agricultural Representatives are equipped with soil testing kits and the Representatives do most of their own soil work. In other counties samples are forwarded to Guelph, Kemptville, Vineland or Ridgetown.

Fertilizer Experiments

Agricultural Representatives report a definite increase in the use of commercial fertilizer. Two hundred and thirty test plots of various types, testing the value, type, placement and application of commercial fertilizer were laid down.

One hundred and twenty-seven field meetings were held at these plots In each case the Agricultural Representative was responsible for securing the co-operators and the organization of field meetings and in some cases superintended the laying out of plots.

Variety Test Plots

199 variety test plots were laid down, including the testing of many varieties of oats, barley, peas, wheat, tobacco and hybrid corn. Particular attention was paid to those varieties showing resistance to stem or leaf rust. In 1937, in Simcoe County, through the co-operation of four Agricultural Societies, 413 bushels of Registered Dawson's Golden Chaff (O.A.C. No. 61) wheat was distributed to 59 farmers. The average yield on the 59 farms was 38.8 bushels per acre as compared with 27.7 bushels for the county and 22.2 for the province. In 1938, wheat from this foundation stock was used on 180 farms and the acreage had increased from 295 in 1937 to 3589 acres in 1938.

Weed Control

Fifty Annual Weed Inspectors' Meetings were held. The use of chemicals applied by means of power sprayers, as a means of controlling roadside weeds, is on the increase.

Orchard Spray Service—

Agricultural Representatives forwarded 8 spray service letters to 4730 orchardists on the spray service. Each letter suggested the time to spray and the kind and amounts of materials to use. Many personal visits were also made to orchards.

Tomatoes

A series of cross breeding, selection, variety, fertilizer and disease control experiments was continued in Prince Edward and Northumberland counties. This work, over a period of years, has been responsible for greatly improving the quality of plants, varieties grown and fertilizer application and is greatly appreciated by growers. Continued attempts have been made to improve marketing conditions, with some degree of success this year.

Potatoes

Twenty carefully supervised acre test plots were laid down in the potato growing sections. Carefully selected seed, the judicious use of fertilizer and approved spraying practices on the test plots were checked with the general practice of potato production. The extra cost involved to improved practices amounted to the value of about 40 bushels of potatoes, while the increases ran to over 200 bushels per acre on some farms.

Army Worm

More or less severe attacks of army work occurred in almost every county. Where noticed in time, the pests were effectively controlled with poison bran bait. Agricultural Representatives devoted from a few days in some counties to three weeks in counties with severe infestation, aiding in the control of army worms.

Plowing Matches

Seventy Senior Plowing Matches, 10 Junior Farmer Matches and 13 Home Plowing Competitions were held. In most cases the Agricultural Representative acted as Secretary.

Farm Tours

Twenty-one Farm Tours were organized, ranging from a one-day tour of a neighbouring county, to a ten-day trip covering 2000 miles or more. The number of passengers ranged from one bus load of 30 people to as high as 400. One Agricultural Representative arranged 5 tours on request, including a total of 681 people.

CONSERVATION AND REFORESTATION

Agricultural Representatives co-operated very closely with and, in practically every case, are members of the County Reforestation Committees. Agricultural Representatives also act as Secretaries of three of the five Zone Committees. The Ontario Reforestation and Conservation programme has made very substantial progress. Applications for trees received by the Forestry Branch have increased from 6200 to 11000 and the number of trees requested has increased from 11 million to 16 million. Municipal plantings have expended in almost every county. Grey County planted 148,000 trees in the county forest and added another 1000 acres to their holdings. Bruce County purchased 1500 acres at $3.00 per acre and planted 250 acres. Simcoe County has an annual budget of $8000 and, in addition to adding to the county forest, has established school plots of from 2 to 10 acres, in every township.

Plantations have been planted by Junior Farmers, Boy Scouts and School Children to commemorate Their Majesties' visit to Canada. Almost every rural school pupil received from 1 to 5 trees for planting.

HOME BEAUTIFICATION

Carleton County may be considered as the pioneer in organized Home Beautification work. The Carleton County Rural Home Beautification Association, was organized in April, 1938. Membership consists of 32 affiliated organizations, including 25 Women's Institutes and 7 Horticultural Societies, with 1000 interested women each endeavouring to bring about some improvement about her home.

Suitable literature was sent to 1000 homes. 9 lawn and 18 hall meetings were held. Suitable articles were prepared for the press and a 20% discount was secured for members on paints. 227 homes were given personal service.

To meet the increasing requests for work of this kind in other counties, a provincial committee has been established, which has prepared a programme to be carried on as a trial in the counties of Carleton, Haldimand, Lambton and Northumberland during 1939.

The Haldimand County 10 point programme is representative of the type of programme recommended by the Committee.

1. 1000 active members.
2. Tree planting by organizations and school children.
3. Suitable press articles.
4. Investigate the sources and cost of painting and planting materials.
5. Clean-up week—2nd week in May.
6. Establish 10 demonstrations in school ground planting.
7. Competitions in Home ground planting and in essays.
8. Adequate mailing list.
9. Two series of meetings.
10. Establish County tree nursery.

SEED GRAIN DISTRIBUTION, NORTHERN ONTARIO

Under the Seed Grain Distribution Policy, which provides for the distribution of seed grain, not exceeding the value of $30., to qualified settlers, for either cash or on note, Agricultural Representatives in Northern Ontario and Renfrew County devoted considerable time to taking and approving applications and in the distribution of seed.

JUNIOR EXTENSION

RURAL SCHOOL FAIRS

Some 111,443 pupils made 331,132 entries in the 525 school fairs held in 1938. The total attendance amounted to 135,198 children and 160,928 adults. Some 337,042 packages of grain, vegetable and flower seeds were distributed to school pupils in the spring.

Rural School Fairs are a joint project carried on by the Departments of Agriculture and Education. While the general supervision and management is vested in the Agricultural Representatives, the Public and Separate School Inspectors share equal responsibility in drafting prize lists, judging exhibits and competitions dealing primarily with school work, the day of the fair. The Agricultural Representative, in additon to sharing the responsibility of organization and management, assumes the full responsibility for the packaging and distribution of seeds, prize lists and entry tags, securing of judges, transportation of tables, poultry coops and other equipment and all clerical work in connection with each fair.

After a series of conferences with officials of the Department of Education, the School Fair Policy was revised to fit more closely the new school curriculum. The following changes were agreed on:

1. That competitive classes for Home Economics, Manual Training, writing, art and collections be discontinued and that they be replaced by non-competitive school displays covering one or more of the following subjects: Social studies, natural science, art, crafts, home economics, agriculture and science.
2. That competitions be limited to agricultural subjects such as stock judging, weed naming and showmanship, and that non-competitive demonstrations be given on subjects such as: First aid, rope work, wood carving and soap work.
3. That more time be devoted to an explanation of the awards in the various classes and an inspection of all non-competitive exhibits.
4. That suitable backgrounds be prepared for all school exhibits.
5. That group game demonstrations be encouraged.
6. That classes for grain, vegetables, poultry, flowers and livestock be continued as formerly.

Under the new policy, the individual competitive spirit is discouraged and the group or school spirit encouraged.

Agricultural Representatives will still continue to be responsible for the distribution of seeds, appointment of judges, clerical work and transportation of equipment, but will be relieved to some extent of the organization and management in that at least half of the fair is non-competitive and of a school nature, the responsibility for which will be assumed entirely by the School Inspectors.

BOYS' CLUB WORK

The extension programme as it applies to boys between the ages of 12 and 20 years continues to hold its popularity and is making splendid progress. The organization and supervision is undertaken by the Agricultural Representatives, assisted by a club leader and a committee of 3 (including the Representative). Each local club is sponsored by a local organization such as Agricultural Society, Service Club, Junior Farmer's Associatoin or Women's Institute, whicch contributed one-third of the prize money, and supported by grants from the Provincial and Federal Departments of Agriculture.

Each member must have an animal or plot of his own, on which he keeps records. He must also attend meetings, take part in a judging competition, write an examination and show his animal or product of his plot at an Achievement Day.

In 1938, 4326 boys and girls were enrolled in 271 clubs, an increase of 4 clubs and 42 members over the previous year.
Clubs Organized in 1938:

	No. Clubs	Membership
Boys' Calf Clubs	80	1,290
Boys' Swine Clubs	6	87
Boys' Foal Clubs	51	813
Poultry Clubs	6	117
Boys' Grain Clubs	57	922
Boys' Potato Clubs	33	564
Boys' Garden Clubs	14	188
Girls' Garden & Canning Clubs	24	345
	271	4,326

Provincial Elimination Contests

Elimination contests were held at the O.A.C., Guelph, for Foal, Swine, Beef and Dairy Calf, Grain and Potato Clubs. Trophies were provided for the winning teams and a series of cash prizes for high boys. The winning teams in beef cattle, dairy cattle, Grain and Potato Clubs represented Ontario in the National Club Contests at the Royal Winter Fair.

Winning Teams:

Project	No. Teams Competing	Winning Club Team and Coach	Team Members
Foal Club	35	Peterboro, Norwood Dist. F. C. Paterson	Gordon Stalker, Peterboro No. 4 Braden Mann, Peterboro No. 4
Dairy Calf Club	34	Lennox & Add., Napanee C. W. Buchanan	Stuart Uens, Napanee No. 6 Walter Thurlow Odessa No. 3
Beef Calf Club	11	Durham E. A. Summers	William Allin, Newcastle No. 2 Neil Malcolm, Nestleton No. 1
Swine Club	5	Ontario E. A. Innes	Orval Heayn Port Perry Fred Christie, Manchester

Grain Club	27	Durham, Senior E. A. Summers	Fred Brown, Millbrook No. 3 Allan Dawson, Bailieboro No. 1
Potato Club	16	Waterloo, Roseville E. I. McLoughry	Norman Shantz, Ayr No. 1 Wm. Barrie, Galt No. 7

National Club Contests

Ontario was represented in the National Club Contests as sponsored by the Canadian Council on Boys' and Girls' Club Work, in Dairy Cattle, Beef Cattle, Grain and Potato projects.

Project	Standing Ontario Team	No. of Provinces Competing
Dairy Cattle	4th	7
Beef Cattle	4th	5
Grain	3rd	4
Potato	2nd	4

The objects of Boys' and Girls' club work are to provide an appreciation of good live stock, improved crops and modern farm practices and thereby create a greater pride and appreciation of farm life.

"He who is busy doing the things in which he is interested, does not know the meaning of drudgery."

SHORT COURSES IN AGRICULTURE

Courses in Agriculture of from five days' to three months' duration are planned for young men who, through necessity, cannot be spared from work to attend a longer course at an Agricultural School or College. The courses are organized on the request of the local people, who supply the accommodation, the Department of Agriculture supplying the instructors. The Agricultural Representative is in charge of the course in each case. Courses held during the year are as follows:

	Number	Attendance
Three Months' Courses	5	167
One Month's Courses	34	1293
	39	1460
Two Weeks' Courses	4	146
One weeks' Courses	11	343
	15	489
GRAND TOTAL ENROLMENT	1949 boys.	

JUNIOR FARMER ASSOCIATIONS

To maintain associations made at Short Courses and to provide an opportunity for further study and community work, Junior Farmer Associations are a natural outgrowth of the Agricultural Courses.

There are 4500 Junior Farmers enrolled in 142 Associations.

In addition to local Associations, many counties have County Junior Farmer Associations. Some of the projects conducted by these groups are: stock and seed judging competitions, seed fairs, plowing competitions, junior departments at fall fairs, reforestation, experimental and demonstration work with grain, potatoes, fertilizer and weed control, picnics, field days, debating leagues, public speaking, contests, music and drama festivals, social activities and educational tours. Most Associations hold regular monthly meetings.

In order to bring about a closer relationship between all branches in Ontario a monthly paper entitled "Junior Farmer News" is edited by the Agricultural Representative Branch and forwarded to all Association Secretaries.

Junior Farmer Plowing Competitions

Thirteen Home Plowing Competitions and 10 Junior Plowing Matches were held, with 320 junior farmers competing. Junior Plowing Competitions, usually preceded by a plowing demonstration given by an expert plowman, provide excellent elimination contests for the selection of a team of three juniors to represent their county at the International Plowing Match.

Eighteen teams of three boys each entered in the Inter-county Plowing Contest at the International Plowing Match at Minesing.

The York County team, composed of Herbert Jarvis, Milliken, Andrew McClure, Woodbridge and Roy Smith, Gormley, and coached by W. M. Cockburn, Agricultural Representative, won the Farmer Magazine Trophy, in the Intercounty contest.

JUDGING COMPETITIONS

Probably the most important accomplishment that any farm boy can attain is to be able to select good live stock. Training in judging is provided through coaching classes and judging competitions.

During the year 49 county judging competitions were conducted by the Agricultural Representatives, with 2158 junior farmers taking part. Judging Competitions are provided at all Class A Fairs, with the Fair Board providing the prize money and the Department of Agriculture the judges.

Entries in Judging Competitions at Class A Fairs

Exhibition	No. of Entries
Central Canada Exhibition	207
Peterboro Industrial Exhibition	133
Canadian National Exhibition	359
Western Fair	122

At the 13 Class B Fairs a special programme was arranged for young men in stock and seed judging, rope and halter work, team demonstrations and inter-club calf and colt contests. More than 600 young men participated in the junior departments of the 13 fairs.

Seed Judging competitions are also a feature of county seed shows, the Ontario Corn Show, the Quinte Seed Show and the Ottawa Valley Seed Show.

Inter-county competitions were held at the following shows:

Exhibition	Type of Competition	No. Teams Competing	Winning Team
Royal Winter Fair	Live Stock	30	Middlesex
Ottawa Winter Fair	Live Stock	9	Lanark
Ottawa Winter Fair	Seed	10	Lanark
Guelph Winter Fair (Inter Club)	Grain	18	Durham
Guelph Winter Fair (Inter Club)	Potatoes	10	Ontario
Ottawa Valley Seed Fair	Seed (Apr. 1938)	8	Renfrew
Ottawa Valley Seed Fair	Seed (Mar. 1939)	6	Carleton
Quinte Seed Show	Seed	5	Durham

4-H CLUB CONGRESS, CHICAGO

Six young women and seven young men selected for some outstanding accomplishment in their respective counties, attended as a group the National 4-H Club Congress, held in conjunction with the International Live Stock Show at Chicago.

W. P. Macdonald, ,Agricultural Representative for Lambton County, had charge of the party and Miss Lulu Row, Institutes Branch, acted as chaperone for the girls.

CROPS, SEEDS AND WEEDS BRANCH

The activities of this Branch during 1938 consisted of the installation and supervision of seed cleaning plants; administration of The Weed Control Act; experimental work with chemical weed killers; purchase and shipment of seed grain to northern Ontario; administration of lime subvention policy; advertising and payment of prize money to exhibitors at International Hay and Grain Show, Chicago; payment of grants to district and county seed fairs; maintenance of secretary's office for the Ontario Crop Improvement Association, including the organization of Branches, assistance at seed fairs, annual meeting and seed display; office routine and a general crop improvement programme.

SEED CLEANING PLANTS

Under the seed cleaning plant subvention policy Federal and Provincial assistance in the form of a grant is available to any person, group of persons, organization or company who instal a seed cleaning plant. This grant includes 50% of the invoice price of machines, plus 50% of freight, not to exceed $500.00 in any one case. Certain provisions must be complied with in order to qualify for this grant.

New seed cleaning plants were installed during the past year at Strathroy, Crediton, Beaverton, Watford, Sarnia, Emo, Embro, Stewarttown, Bruce Station and Carleton Place.

84 plants have been installed to date. During the past year these plants cleaned 761,976 bushels of grain; 2,678,842 pounds of clover and grass seed and served 12,137 farmers.

LIME SUBVENTION POLICY

The lime subvention policy between the Provincial and Dominion Departments of Agriculture and the Canadian National, Canadian Pacific and associated railways was continued. Under the policy the railways have agreed to reduce the freight 25% on car shipments of agricultural limestone. The Provincial and Dominion Departments of Agriculture pay 50% of the reduced freight up to a combined maximum grant of $1.00 per ton.

During the year 130 cars of Agricultural limestone moved under this policy. This represented 4471.12 tons, a reduction of 11 cars as compared with the previous year.

ADMINISTRATION OF THE WEED CONTROL ACT

During 1938 considerable progress was made in the eradication and control of weeds. Approximately 1000 weed inspectors were appointed by the municipal councils throughout the Province. 36 county weed meetings were held during the spring months for the purpose of organizing the work. 1177 attended these meetings 8 District Weed Inspectors were appointed, their duties being to supervise the administration of the Act. Municipal and county councils were visited with a view to stimulating more interest in the work, particularly in the support and payment of weed inspectors and in the use of chemical weed killers as a means of eradicating weeds from roadsides.

Information and supplies in connection with their work were sent to all municipal inspectors from this office.

We endeavoured, during the year, to do considerable educational work. Our District Weed Inspectors discussed weeds and weed control at short courses, seed fairs, crop meetings, etc. New articles on weeds were given to the press from time to time and an educational weed exhibit on Bindweed, Clover Dodder and Leafy Spurge was set up at several seed fairs.

Much more interest was shown in chemicals as a method of eradication. Several demonstrations were held throughout the Province on roadside weeds and brush. Field Bindweed, weeds on rough pastures, Poison Ivy, Ragweed, etc. Manufacturers of spray machinery co-operated in loaning sprayers for these demonstrations. Several municipal councils and county councils purchased sprayers during the year.

Field Bindweed, Clover Dodder, Bladder Campion, Wild Carrot, Perennial Sow Thistle, Chicory, Leafy Spurge and Hawkweeds are considered as being our worst weeds in the Province.

Some 6886 threshing machines were registered during the year, 4821 of this number were registered as being for hire, 2065 as being not for hire.

Township weed inspectors reported as follows:

Wages paid by municipal councils	$25,131.80
Days worked	9.592
Visits	12,179
Notices served	2,958
Prosecutions	19
Acres of crop cut	3,662
Acres of pasture cut	9.524
Amount of chemical used	667,103 lbs.
Mileage of county roads sprayed	1,197
Mileage of township roads sprayed	1,096

CHEMICAL WEED KILLERS

During 1938 experimental work was conducted with a new weed killer. Results obtained were satisfactory. Roadside weeds, Field Bindweed, the Spurges, brush, Poison Ivy, etc., were completely eradicated at a cost very considerably below that of any other commercial preparation previously offered.

This is a patented preparation known as the Stephen Weed Killer, controlled in Ontario by the Department. Arrangements have been made whereby any person in Ontario can purchase the ingredients and mix them at actual cost.

PURCHASE OF SEED GRAIN FOR NORTHERN ONTARIO

The purchase of seed grain for the districts of northern Ontario was undertaken by this Branch. The districts of Kenora, Rainy River, Thunder Bay, Algoma, Sudbury, Nipissing, Timiskaming, Manitoulin and the counties of Haliburton and North Renfrew were included in the policy.

1365 settlers were given the following quantities of seed:

Oats	25,218 bus.
Barley	4,942 bus.
Wheat	106 bus.
Peas	98 bus.

The total amount of seed distributed was valued at approximately $31,401.02.

All the grain purchased was graded according to the Canada Seeds Act and nothing lower than a No. 1 for weed seed content, germination and general quality was bought except in certain cases where good grain of No. 1 quality graded No. 2 on account of other cultivated grains. The Plant Products Division, Production Service of Ottawa, through its Inspectors co-operated in the grading of seed.

The distribution of seed was very capably taken care of by Agricultural Representatives in their respective districts.

DISTRICT SEED FAIRS

Three district seed fairs were held during the year. Grants totalling $700.00 were paid to these fairs which were held at the following points:

Western Ontario Corn and Seed Exhibition, Chatham	$350.00	
Ottawa Valley Seed Fair, Cornwall	200.00	
Quinte District Seed Fair, Peterborough	150.00	$700.00

Educational exhibits were set up and a crop improvement meeting, a judging competition and a seed sale was held at each fair. These fairs give those interested in crop improvement an opportunity to discuss their problems, to see what could be produced, to dispose of their surplus seed and to purchase their seed requirements. The quality and quantity of exhibits and the attendance at each fair was most gratifying.

The Essex Corn and Seed Show, which was held in Essex received a grant of $100.00 and the Lambton County Seed Fair, held at Petrolia, also received a $100.00 grant.

INTERNATIONAL GRAIN AND HAY SHOW

This Branch undertook to stimulate interest in this show among the growers of the Province. Prize lists were distributed and special prizes were offered for all exhibits from Ontario. Freight and express charges were paid on exhibits and results were sent to our exhibitors at the conclusion of the show.

Exhibits were collected at the Ontario Agricultural College, Guelph, and The Department of Agriculture, Essex, and forwarded to Chicago. Two officials of the Department accompanied the exhibit, expenses being paid by this Branch.

Some 129 entries were sent from Ontario (84 of grain and 45 of corn). We won 95 prizes including 11 firsts, 5 championships, 1 reserve championship and 1 regional championship.

We contributed for special prizes, transportation charges and supervision of exhibits approximately $600., of which $355. was spent as prize money.

The following were championship winners:

Soy Beans (Mandarin)—Hugh Jeffery, Whitby, Ont.

Field Beans (Navy)—Albert C. Gohn, Emo, Ont.

Timothy—Roy C. Chambers, Fenwick.

Red Clover—Louis J. Leduc, St. Isidore.

Flint Corn—Robt. G. Dawson, Niagara-on-the-Lake.

Reserve Championship—Beans (White Marrow Fat)—Abraham Maycock & Son, Milford, Ont.

Championship Junior Corn Region 1 (White Dent)—Robt. L. Henry, Lorneville.

ONTARIO CROP IMPROVEMENT ASSOCIATION

During the year The Ontario Field Crop and Seed Growers' Association reorganized. An official of this Branch was appointed Secretary-Treasurer of the Association. A new policy was adopted, which provides for the organization of county and district branches and for each branch to carry out a crop improvement program of its own. Government assistance in the form of grants is available to branches of the Association.

New officers and directors were elected during the year; a new constitution was adopted and the name of the Association was changed to The Ontario Crop Improvement Association.

A trophy and two minatures were awarded by the Association to the Grain Club standing highest in the elimination contest at the achievement day, O.A.C., Guelph, October 21st. This trophy was won by the Durham County Club.

The annual meeting held in the King Edward Hotel, Toronto, Feb. 21st., was the best in the history of the organization. A seed display was held in connection with the meeting consisting of representative quantities of seed for sale, the object being to assist members of the Association in disposing of their surplus. Fifty members had 105 samples on display representing 31,910 bushels of cereals and 14,200 lbs. of clover and grass seed. Mimeographed lists of all seed on display were available for distribution at the annual meeting held during the week and were later distributed throughout the Province. Several educational exhibits were included as part of the display.

Thirteen branches of the Association were organized during the year, 10 of which held seed fairs. The following is a brief report on these fairs.

Prize money awarded	$3033.60
Exhibitors	1341
Exhibits	1907
Attendance	10,785
Bushels of seed for sale	32,205

The Crop Convention and Seed Display held in Barrie by our North and South Simcoe Branches is worthy of mention. No prize money was awarded, but farmers having seed for sale were invited to submit samples, these samples represented 7000 bushels of cereals, 2000 bags of potatoes and 55 bushels of clovers and grass seed. Approximately 200 farmers were present at the afternoon meeting.

Some $325. was paid in organization grants during the year. All branches of the Association are planning several crop improvement projects for 1939.

GENERAL CROP IMPROVEMENT

Aside from the work already mentioned, this Branch has paid grants to Boys and Girls Grain and Potato Clubs; speakers have been supplied for short courses and crop meetings; educational exhibits were set up at seed fairs; fanning mill demonstrations were conducted; 180,000 pamphlets were printed and are being distributed of five of our noxious weeds, including Field Bindweed, Bladder Campion, Ragweed, Clover Dodder and Leafy Spurge. Pamphlets were also distributed on treatment of grain for smut, seed cleaning, etc., and every effort was made throughout the year to co-operate with organizations and individuals interested in crop production and crop improvement.

FARM PRODUCTS CONTROL BOARD

Under the Farm Products Control Act, the Farm Products Control Board is given authority to supervise the operation of local boards, which may be created under the Act, for regulating the marketing of designated farm products. The two chief features of the Act are briefly:

(1) Provision to enable those who produce and market farm products to constitute machinery of their own through which they may regulate the movement, direct the sale and determine the practices that shall prevail in the marketing of such products.

(2) Provision for the investigation of marketing conditions and practices in connection with any designated farm product.

LOCAL BOARDS ESTABLISHED UNDER THE FARM PRODUCTS CONTROL ACT — TO MARCH 31st, 1939.

The Ontario Cheese Producers' Marketing Board: As reported last year, this was the first local board established under the Act. The purpose of the scheme is:

(1) to require all cheese to be sold in Ontario on local cheese boards under uniform rules and regulations;

(2) to defray the necessary expenses of the local board by a service charge of five cents per one hundred pounds of cheese manufactured.

The extent the local board has achieved its aim and object of stimulating competition in buying cheese is evident from the figures that for the year under review 94.20% of the cheese graded in Ontario was sold on local cheese boards whereas only 36.60% of the cheese graded was sold on local cheese boards in 1935, the year operations commenced.

Approximately 84,723,260 lbs. of cheese were made in Ontario in 1938 from milk shipped by some 20,000 farmers; a decrease in production of 6,295,911 lbs. or 6.8% from 1937.

The Ontario Peach Growers' Marketing Board: As reported last year, this was the second local board established under the Act. It commenced operations in 1937 and the plan provided that, after one year, a poll of the peach growers interested should be taken to determine whether the arrangement would be continued or not. The vote was taken this year and the result was overwhelmingly in favour; being 485 growers for, 13 against, continuing the plan in force.

The purpose of the plan is to regulate the marketing of fresh peaches to all classes of processors for canning or preserving in any form by arriving at agreed on prices and a uniform form of contract in open negotiation between a committee of equal numbers of growers and processors. Powers of arbitration are provided in case the committee cannot reach agreement.

Some 460 growers sold 5,188 tons of peaches for processing in 1938 which had a money value of $250,391.88. This was a slight reduction from the 1937 money value as the negotiated price was somewhat less at 2 7/16c per lb. compared to 2⅝c per lb. in 1937.

Peaches for the wholesale and retail fresh fruit trade are exempt from the plan.

The Ontario Asparagus Growers' Marketing Board: As reported last year, this was the last local board to be established in 1937 but did not operate until the 1938 crop came in. Its purpose is identical to the peach marketing plan previously discussed.

Approximately 600 growers sold 1,241,035 lbs. of asparagus for processing in 1938 which had a money value of $97,479.51.

A most interesting featue of this marketing agreement is the export bonus plan whereby all the growers concerned voluntarily agreed to assess themselves ½c per lb. on all No. 1 grade asparagus processed. This fund amounted in 1938 to $2632.00 and was paid back to processors exporting canned asparagus out of Canada provided those processors had not imported any fresh asparagus for processing. The rebate so paid when pro-rated over the 1938 export tonnage amounted to 1 7|16c per lb.

Asparagus for the wholesale or retail fresh vegetable trade is exempt from the plan.

The Ontario Pear, Plum & Cherry Growers' Marketing Board; This local board was established early in the 1938 crop year after a poll of the growers concerned. The vote, as in the case of the peach marketing plan, was practically unanimous; being 631 for and 2 against the scheme. The plan provides, however, that a further poll of the growers concerned will have to be taken in 1940 to determine whether the arrangement will continue or not.

The purpose and operation of the local board is identical to the asparagus and peach marketing plans previously discussed.

Some 1,560 growers sold 1,985 tons of cherries valued at $196,575.16; 385 tons of plums valued at $10,868.75 and 4,751 tons of pears valued at $124,533.79 for processing in 1938.

Pears, plums and cherries for the wholesale or retail fresh fruit trade are exempt from the plan.

Regulations for the Marketing of Tomatoes for Processing: As reported last year there was then under consideration the establishment of a proposed tomato local board with similar aims and objects to those local boards already discussed.

Following a lengthy consideration of the matter it was decided to enact certain regulations respecting the form of contract for purchasing tomatoes for processing to be used by all companies but not to proceed with the establishment of the local board.

Briefly these regulations provide amongst other details:

1. All tomatoes sold must be purchased on a written contract.
2. Where processors contract for tomatoes on an acreage basis and decline to contract for at least 225 bushels per acre the grower has the option of contracting on a bushelage basis.
3. Processors shall accept during the canning season at least 60 bushels of tomatoes per week for each acre contracted for and proportionate weekly receipts for bushelage contracts.
4. Subject to any grade or quality specified in any contract the grades provided for in the regulations made under the provisions of the Farm Products Grades and Sales Act shall apply to every contract. Every contract shall prescribe a minimum size for all tomatoes purchased.
5. In case of a dispute as to the grade or quality of tomatoes between a grower and processor the matter shall be referred to an Inspector appointed under the provisions of the Farm Products Grades and Sales Acts whose decision is final.
6. Every contract shall provide for the terms of payment and shall specify the day for final payment.

All processors are licensed by which means the regulations are enforced.

The regulations go a long way toward putting Ontario's largest canned goods industry on a basis where all companies are on common ground in buying their raw supplies. Similarly, the growers' position is improved in that the disadvantage in any business transaction where the sellers greatly outnumber the buyers is overcome and where an independent third party is empowered to settle disputes.

Proposed Strawberry Growers' Marketing Board: As reported last year, there was then under consideration the establishment of a proposed strawberry local board with similar aims and objects to those local boards already discussed.

Following a lengthy consideration it was decided not to proceed with this marketing plan at the present time for the following reasons:

1. Strawberries are an extremely perishable commodity in nature with a very short season and should the processing industry decline to buy berries at any time then the demoralization both in the processing and on the fresh fruit market would be disastrous to the growers.
2. In view of the lack of cooperation shown by the processors to the proposed plan and without suitable Dominion marketing legislation to provide more control over the inter-provincial movement other uncontrolled producing areas outside of Ontario could easily benefit from the controlled market in Ontario.

The proposed local board is still a matter of discussion among the growers concerned. Meanwhile their organization has been maintained intact and frequent meetings are arranged by the Farm Products Control Board between the leading grower and buyer representatives of the small fruit industry.

At the close of the fiscal year, in addition to the administration connected with the marketing agreements now in operation, a study was being made by the Farm Products Control Board of a proposed apple advertising scheme and a cream marketing scheme.

THE CO-OPERATION AND MARKETS BRANCH

The creation of the Co-operation and Markets Branch during the year under review superseded the former office of the Commissioner of Marketing. Every effort of the Branch is devoted to finding new and wider markets; to improving selling and distributing systems now in use, and in every way possible returning to the farmer a higher cash return for his products.

Following is a brief description of some of the basic activities of the Branch in this direction for the past year.

POTATO MARKETING

Ontario Potato Growers' Association:

The marketing of Big "O" Brand potatoes (special quality pack of the Association) was continued throughout the year when stock of suitable grade was obtainable. These potatoes netted the farmers 20c to 25c premium over ordinary Ontario table stock prices.

The Alliston Potato Growers' Association was organized during the year to market a special pack of local No. 1 potatoes under the "Big Chief" Brand. Some 8,000 bags were so branded and sold to the Ontario retail trade at a premium of 25c per bag.

A trial shipment of Ontario certified Dooley seed potatoes was made to South Africa last fall which arrived in good condition. The experiment was in line with trial tests made with other varieties in previous years when favourable results were obtained.

Extension Work:

The year 1938 was one of almost continual warfare against disease. The amount of damage by disease, particularly Fusarium Wilt, and damage from field frost very adversely affected the marketing of the 1937 crop. So serious had the matter become that a special campaign throughout all the commercial producing areas of the Province for disease eradication and better seed for planting was undertaken during 1938.

Over 2,000 inspections of potato fields were made in seven chief producing counties and in addition seed stock supplies were arranged for several other districts. During this special effort a new disease, Bacterial Wilt and Rot, not previously found in Ontario, was discovered in some of the central regions and officials in Ottawa along with this Branch are making a special study to eradicate this disease.

Some 35 carloads of imported potatoes were inspected and in many instances found infected with bacterial soft rot. Subsequently eighteen carloads were rejected and many destroyed. Even with this precaution potato fields were later located throughout the Province infested with disease from some of this stock.

Several lots of seed potatoes were located for farmers by bringing buyers and sellers together. During the planting and growing season over 100 meetings were held in the chief producing districts and matters discussed with growers relative to seed selection, cultivation, spraying, harvesting and grading.

THE FIRST CO-OPERATIVE PACKERS OF ONTARIO, BARRIE

The business of this, the only farmers' co-operative abattoir, meat packing and bacon curing plant in Ontario, increased in all departments over the past year. A comparison of livestock handled this year with the corresponding period last year is as follows:—

Hogs increased	1.69%
Cattle increased	85.7%
Calves increased	73.5%
Sheep & Lambs in.	28.4%

During the same period hogs handled in all inspected packing plants in Ontario decreased 8.97%; cattle decreased 1.09%, sheep and lambs decreased 4.83% and calves increased 1.62%. So that the Co-operative packing plant improved its position against the general trend of Ontario packing plants.

The produce department, which handles butter, eggs, poultry, cheese, shortening, canned goods, etc., showed a total increase in value of 42.89%.

The beef, veal and lamb departments showed an increase in volume of business done of 58%.

The total volume in sales showed an increase of 13.6%. The value of export was slightly below the same period a year ago but purely domestic business increased 25%. Total volume in pounds shows an increase of 20.34% and domestic business shows a gain in volume of 21%.

NORTHERN ONTARIO MARKETING

The development of markets continues as the major problem facing agriculture in Northern Ontario. Some of the chief accomplishments of the two market promoters operating to this end in this area are noted as follows:—

(1) *Temiskaming and South Cochrane Districts*:

The market price received by producers for all kinds of farm produce, except potatoes. was considerably lower during this period than for the two previous years. This would account for a somewhat lower total for produce sold than was the case last year.

Seed grains were the principal crops handled for farmers during the spring of 1938. This consisted of wheat, oats, barley, peas and grass seeds. Demand appeared slow at first, but with the improved cleaning facilities installed by the Temiskaming Producers' Co-operative Co. at New Liskeard as well as that operated at Earlton and on the T. & N. O. Railway car, business became quite brisk. The fact that the buyer could rely on the grade packed in new sacks did establish confidence and was the means of selling seed that could not have been done otherwise.

A carload of recleaned feed oats was sold for farmers to a northern firm who previously would not try them in preference to Western Canada oats. These were sold by the promoter on sample and gave satisfaction.

Another timber company was converted this winter to using our processed oats after inspecting the plant and noting the quality of grain put into the new stamped sacks. It is gratifying to note the difference this cleaning plant has made in the reception given local grains by discriminating buyers.

Hay was the second most important crop marketed for Northern Ontario farmers during 1938-39. Some thirty cars were shipped at an approximate value of $4,000.00. The 1938 crop was of fair quality and many more cars were available if a market could have been found. The light crop the previous year provided little or none to ship in response to keen demand, so it was necessary to again contact these customers for the 1938 crop.

There was very little clover and grass seed of any kind threshed from the 1937 crop, but considerable grown in 1938. The price offered for alsike, red clover, and timothy seed was so low in the fall that very little changed hands and most of it was awaiting sale at the end of the year.

The Marketing Promoter continued to list the farmers' hogs, cattle, lambs and fowl, largely for buyers from Timmins, or elsewhere as demand appeared. An average of two cars per month was moved in this way. At the same time a local drover began buying for Toronto market and loaded an average of three cars per week from August 1st to December, 1938. This competition has been very beneficial from the farmer's standpoint, and helped greatly to maintain prices. This is a decided improvement over a few years ago when no buyers operated in this territory or only for a short autumn period.

Quite a sizeable business was developed this year in shipping live fowl to Timmins. The Promoter sold these birds and as usual inspected the flock before accepting them for shipment. In this way thin birds were held back until properly finished and only suitable ones sent for that particular market.

The 1938 blueberry crop was the largest in several years in most of Temiskaming and Cochrane Districts. This condition apparently applied to other districts as well for by the time the fruit was ready to pick prices had reached a low level, and it was nearly impossible to sell these berries to Toronto firms at a price that pickers would accept.

About 3,000 pickers were on the Matheson plains and nearly all fruit was trucked instead of moving by rail in refrigerated freight cars from that point.

The local farmers' markets were visited at least three times during the year at each of the following points: Haileybury, Cobalt, and Kirkland Lake. Instruction was given in grading potatoes and vegetables and under authority of Fruit and Vegetable Inspector proper grades, tags, etc. insisted upon.

Temiskaming Producers' Co-operative Co. Ltd.

This Co-operative was incorporated under the Ontario Companies Act late in the fall of 1937 with the Marketing Promoter as Manager and Secretary-Treasurer. This connection with the company was severed February 1st, 1939.

Sales during the summer months were very light and this season was used by the warehouseman in remodelling and repairing the building and equipment. The seed cleaning room was changed to a permanent setup and this building re-roofed with steel, while the entire plant was cleaned and whitewashed.

The refrigerator rooms were equipped with universal cooler system which has proven satisfactory. Meats were stored from week to week in the one compartment while the other carried eggs for the entire season.

The seed cleaning plant cleaned and graded 13,214 bushels of seed grain during the spring of 1938, as well as 3,145 pounds of grass seed.

Recleaned feed oats from this plant sold readily upon sample to lumber camps at a premium over Canada Western No. 3, the grade formerly purchased by them. Unfortunately this crop was rather light this year and so restricted what should have been a fair amount of business.

In contrast with the previous year, the potato crop was light and consequently there was no accumulation and storage at the warehouse as was expected. The addition, of a new rubber grader and scourer to the equipment made it possible to put up a No. 1 grade of potatoes. The reception received by this class of potatoes by all who tried them was such as to amply justify the expense incurred in purchasing this equipment.

A sizeable egg business is being built up and it may reasonably be expected farmers will make more use of this department from year to year.

The existence of the Co-operative is justified in this district because it is doing something not attempted before to enhance the market value of three important crops, namely potatoes, eggs, and seed and feed grains. No firms already doing business cared to attempt this work, consequently this pioneering of the Co-operative is certain to make a name for Temiskaming farm produce.

(2) *Rainy River and Thunder Bay Districts*:

1. *Organization—Farm Production and Marketing Council*—In the Thunder Bay District, work started at the last of the year 1937-38, was continued in the organization of the Farm Production and Marketing Council. This main council consists of five business men from each of the two cities of Port Arthur and Fort William, together with two farmers, the Agricultural Representative and the Marketing Promoter, who acts as secretary. This Council was set up as a result of a meeting at which representatives were present from Lakehead wholesalers, retailers, Chambers of Commerce, City Councils, Service Clubs, Canadian Lakehead Exhibition and farmers. Nineteen local rural units were also organized, at well-attended meetings. At each, a full executive was elected. Several meetings were held during the year and as a result, several projects undertaken. Retailers and producers report a marked turn to improved agricultural interest and practices.

2. *Market Gardeners' Association*—This organization consists of all leading market gardeners in the Thunder Bay District. The first meeting was held in July, at which a full executive was elected. Several meetings were held during the year, at which problems were discussed and speakers dealt with topics of interest and value. Gardeners decided on standard prices, and as a result, price cutting was almost entirely eliminated.

3. *Thunder Bay Cattle Breeders' Association*—This Association was organized with the Marketing Promoter being elected as Secretary during the year. All leading live stock men in Thunder Bay District are members. The objects of the Association are to list stock for sale; to encourage the purchase of bulls from high producing stock and characteristic of breed type, and finally to find a market for canner cows. The usual practice of selling cows or bulls which have passed their period of usefulness has been to hucksters and in most cases only a small monetary return was received. Cattle of this nature are now shipped to regular live stock markets in carload lots, with the expectation of at least doubling former returns.

4. *Market Extension*—

(1) *Growing Blue Peas*—It was found that several local dealers imported blue peas for local consumption, particularly for lumber and mining camps. Several bags of blue peas were annually imported from British Columbia. With this in mind several growers were encouraged in the production of this variety. Seed was secured and market arranged.

(2) *Dryden Creamery*—Some years ago a creamery operated at Dryden. During the past seven or eight years, this creamery had not been operating. Enquiries were made, several of the shareholders contacted,, investigation conducted as to volume of supplies available and as a result of promotion work, the shareholders decided to hire a buttermaker and repair equipment. Although the volume and prices were low, this opened up an outlet for the farmers' cream. A ready local market handled all of the product.

(3) *Organized potato Marketing—Standard Bags and Brands*—In many instances, potatoes were being marketed in feed or unwhipped flour sacks. This practice was objectionable to the trade. With the idea of building up a good reputation for Thunder Bay potatoes, a start was made in two communities by way of adopting brand names for potatoes of high quality, put up in new bags. The Oliver Brand was adopted by the Murillo District farmers. Bags for this association were printed with attractive blue and red lettering.

In the Hurkett vicinity, the brand adopted simply stated "Hurkett Potatoes" in large lettering, 2000 bags from this vicinity were used. Had the crop been normal, many more bags would have been required. At Hurkett, the farmers built a splendid co-operative storage which has a capacity of from 5,000 to 6,000 bags.

(4) *Strawberry Sales and Promotion*—The farmers in the community of Pass Lake produce strawberries of excellent quality. Soil and climatic conditions there are particularly well suited for production on an extensive scale. A yield of about 30,000 quarts were marketed in the season 1938. These strawberries were marketed through the Pass Lake Farmers' Association. Each basket was stamped with the official Association stamp and grower's number. Arrangements were made between the wholesalers and growers for marketing the entire crop at 12½c per quart.

(5) *Turnip Growing*—Previous to the fall of 1938, the practice of vegetable waxing was not used by local farmers. In the spring of 1938 at least two carloads of waxed turnips were imported. Local growers with turnips for sale could not sell. In the fall of 1938 several growers were contacted, the process of waxing explained, and suggestions made by way of trimming and putting up in clean, new sacks. The results were that several local growers followed out suggestions in this regard. One grower sold 1,200 lbs. each week for a period of about five months. This particular grower stamped the name of his farm with address, on each turnip. Several other growers reported increased sales.

(6) *Clover Seed Marketing*—Every assistance was given to the Kenora District Co-operative Seed Growers' Association and the Rainy River District Seed Growers' Association in the marketing of their crops. More than 200 circular letters were sent to prospective seed buyers in Canada and the United States to advertise district seed and encourage competition. Both Associations marketed their entire crops satisfactorily, although prices in general were lower than the previous year. Several buyers bought seed in the Kenora and Rainy River districts for the first time while many buyers from the year previous repeated their purchases. This important industry is developing rapidly and the demand for northern grown seed is now quite keen. During the year the acreage was increased but yields of alfalfa seed were lower. Approximately 600,000 lbs. of alfalfa seed were marketed from the Rainy River District alone.

MEETINGS AND CONVENTIONS

During the year the Assistant Director of the Branch was appointed Secretary Treasurer of the Fruit Growers' Association of Ontario and also of the Ontario Vegetable Growers' Association. These new Branch duties include arranging meetings of fruit and vegetable growers whenever requested and particularly in preparing and holding the Annual Convention of the Fruit Growers' Association of Ontario in co-operation with the Niagara Peninsula Fruit Growers' Association and also the Annual Convention of the Ontario Vegetable Growers' Association together with many meetings of district associations as well as smaller local associations.

CO-OPERATION — BRANCH ACTIVITIES

Prior to September 1st, 1938 little assistance was being offered to existing co-operatives (save in a few cases mentioned in this report) nor was there any attempt to promote the development of co-operative enterprises throughout the Province.

To direct attention to the activities of existing co-operatives now doing a successful work as producer co-operatives and as consumer co-operatives and to have leaders in the co-operative field give of their experience and advice a Conference was held in Guelph in September followed by a Short Course on Co-operation at the Ontario Agricultural College during the winter. This Branch, while not responsible for preparatory arrangements, assisted in the programmes.

There is a field in which this Branch could be of direct practical assistance to co-operative enterprises in gathering information and disseminating this information to all organizations. Officials connected with the fruit co-operatives were invited to a Short Course on cold storage matters at which much practical information was submitted and operators present told of their experiences in administration in solving engineering problems and in storage matters generally. A request was made that this work be continued and enlarged upon to include all cold storages as it had proven most helpful to those in attendance.

By a close working arrangement with the Provincial Secretary's Department this Branch is advised of and consulted with on all applications for charter from co-operative groups. In this way certain weaknesses of organization, chiefly through lack of knowledge, can be strengthened and at the same time this Branch can follow more closely the operations in the trying first months of these new organizations.

This Branch is fostering the formation of co-operatives throughout the Province to enable primary producers of farm products to accomplish collectively those things which individually they are unable to accomplish. In most communities public opinion has to be created through study or through demonstration, or both. This takes time and of necessity must be more or less continuous as newcomers settle in a community and as the young people begin to take positions of greater responsibility in the community. The Branch must continually strive to develop these organizations and keep this development on a sound basis that there may be no setback and that the economic and social benefits may be cumulative, not only within the community but throughout the Province.

PROVINCIAL ENTOMOLOGIST

RESEARCH AND INVESTIGATIONS

Testing Corn for Resistance to the Corn Borer.

In 1937, as reported last year, the Field Husbandry Department, at the request of the Provincial Entomologist, began a series of experiments to discover whether a corn could be found or produced which would be definitely more resistant to the borer than any of the varieties or strains now commonly grown in the province, and at the same time as good a yielder and as capable of withstanding storms or borer injury without breaking down. In 1937, forty-nine different kinds, more than half of them being hybrids, were tested at Guelph and also at Ridgetown. In 1938 the number was increased to fifty-seven, most of which were hybrids.

In September of both years the members of the Department of Entomology examined the different plots, made notes on the sturdiness of the different kinds and the size of ears, and also dissected a definite number of plants in each plot to determine the average number of borers in each kind of corn. The results both years indicated that several hybrids were very promising for they had fewer borers and more strength of stalk than any of our popular varieties. Moreover, our own observations and the detailed study by the Field Husbandry Department showed that they at least equalled any of our varieties in yield, both of fodder and of grain. The investigation will, however, have to be continued for several years longer before it will be safe to recommend unreservedly the adoption on a large scale of any special hybrid.

House Cricket

In August reports of a severe outbreak of the house cricket—a brown insect and not the ordinary black cricket—in Oshawa led the writer to investigate. He found, as suspected, that the crickets were breeding in a garbage dump; that they were present in great numbers; and that a few houses within about 200 yards of the dump were being invaded by many of the insects. In one house inspected he estimated there were over 2,000 crickets present. It was not possible for the writer to remain and take charge of control measures, so he gave whatever helpful suggestions he could and promised to return later.

Soon after this a smaller outbreak in a dump in Guelph was discovered. This afforded a fairly convenient opportunity to make a study of control measures. An account of the results of this study will be published in the Annual Report of the Entomological Society of Ontario for the year 1938. Briefly stated, it was found that the breeding of the insects in garbage could be greatly checked by covering the garbage as soon as possible after it was deposited with six inches or more of earth, lime, cinders, soot or other similar material. At Oshawa the whole dump was thus covered and abandoned for another dump about a mile away with the result that in about two weeks the crickets were seen to have been reduced from millions to a few hundreds. In homes it was found that the crickets could readily be destroyed by putting a double sheet of newspaper in a corner of each infested room, placing a bait of rolled oats, preferably with a little shallow vessel of water alongside, in the middle of the paper and then applying a band of equal parts of fresh pyrethrum powder and sodium fluoride in a ring around the bait. This band should be about half an inch wide and about one-eighth of an inch deep. The crickets going through this to the bait get it on their legs and die. To prevent dogs or cats getting at the bait, a dish or shallow box may be inverted and set over it and one edge raised with a small support high enough to let the crickets enter.

Potato Flea Beetle

This species of flea beetle was unusually abundant on tobacco and potatoes while the plants were still small and therefore least able to withstand attack. Under these conditions it was decided to test whether any of the newer materials recommended for control were superior to the old one of spraying with Bordeaux and an arsenical. Experiments accordingly were carried out in two fields in Middlesex on tobacco and in two plots near Guelph on potatoes. The substances used were as follows:—

Bordeaux mixture 4-4-40 and 3 lbs. arsenate of lead.
Bordeaux mixture 4-4-40 and 1½ lbs. arsenate of lime.
Derris as a dust containing 1% of rotenone.
Derris as a spray at the rate of 2 lbs. to 40 gallons of water.
Barium fluosilicate and talc. equal parts, as a dust.
Barium fluosilicate as a spray, 1½ lbs. to 40 gallons of water.
Pyrethrum undiluted as a dust.
Pyrethrum extract (Red Arrow) as a spray, 1 part to 300 parts of water.

Of these various mixtures, Bordeaux mixture and arsenate of lead and also Bordeaux mixture and arsenate of lime gave much the best results and were about equal in value. One application of either of these gave control through the danger period. None of the other materials controlled for more than a day or two.

Control of Mice

The abundance of mice in the fall induced us to devote what time we could to trying to improve the methods of control, especially in the case of trees too large for the use of wire protectors. Having heard that the Biological Survey in the United States was having excellent results with its campaign against mice, we arranged to have Mr. Gordon Dustan, attend two demonstrations in New York State orchards. The chief new information gained in this way was (1) that the best time to control mice was in late October or early November, (2) that the best bait to use at that time was half inch cubes of ripe apples covered with strychnine or white arsenic (the Survey itself is using zinc phosphate with an anti-repellent, the name of which they are withholding for a time, but they also recommend strychnine), and (3) that after depositing the bait in the runway it should always be covered with a handful of grass as the mice regularly work under cover.

Tests with the co-operation of Vineland Station were made with the apple cubes and several different poisons in an orchard in the Niagara district. The results were gratifying. Laboratory experiments were also conducted on white mice. A brief circular on the control of mice in orchards was then prepared, mimeographed, and sent to the agricultural representatives and others requesting it. We hope to continue the investigation again next fall because we believe that poisoning is the cheapest and simplest method of control, especially in sod orchards.

Rabbit Control in Orchards.

The work on rabbit control this year took the form of further tests to discover a satisfactory repellent which might be painted or sprayed on young trees and possibly also on low branches of older trees. We have hopes that such a repellent has been found but before we can recommend it unreservedly we shall have to test it out again next winter on a larger scale to make sure that it has no objectionable characteristics.

Spray Tests.

These tests, as for several years back, were carried out in the Ontario Reformatory and College orchards. The main purpose was to make further tests on the relative values of spreaders and stickers. Soy bean flour from two different sources and of two different grades was tested for the first time, but proved disappointing as it had poor sticking properties. Bentonite once more was very good, though the Wealthies treated with this and Bordeaux showed, for the first time, a moderate amount of stem and surface injury. Other varieties showed none of this. Ferric oxide, 2 lbs. to 40 gallons, (half the strength used in 1937) and skim milk powder, ½ lb. to 40 gallons, gave results nearly equal to Bentonite and without any surface injury.

Onion Maggot

In last year's report it was stated that very promising control of this insect had been obtained by moistening the seed and then dusting it with calomel just before sowing. In the spring of 1938 several plots were treated in this way for further data, but once more we met the common handicap, namely, the scarcity of onion maggot flies. Hence very little data were obtained. Whatever there were, however, indicated that the calomel treatment was again a success.

A larger number of plots in more localities are being used for tests this spring in the hope that if the flies are scarce in one place they will be numerous enough in another to obtain the desired information.

Greenhouse Insects.

Work on control methods for these insects is being continued from year to year and further knowledge is being gradually obtained. One of the interesting new features this year was the liberating of two species of parasites of the common mealy bug in the college greenhouse. The total number liberated was over 8,000. These have attacked the mealy bugs and have already produced new generations of offspring.

European Earwig, a New Pest.

Last summer we found that an insect sent in for identification from Ayton, was the European earwig, a troublesome pest of homes and gardens in Europe. This is the first time that this insect has been found in Ontario, although it has been established in British Columbia for more than twenty years. The insect is nearly three-quarters of an inch long and and a little broader than our largest ants. It is brownish-black in color with light brown legs and antennae, and can easily be identified by the presence of a conspicuous pincer-like projection at the posterior end of the body. In the house they act somewhat like cockroaches, running around at night and crawling over the floors, food and other materials. They feed on almost any kind of food in the house and also to some extent on vegetables growing outside.

Three visits were made to Ayton to investigate. It was found that the insect was distributed throughout the whole village and also the farms for at least a mile on each side. Hence there seems no hope of annihilating it, though it probably can be greatly reduced and rapid spread through the province prevented by the use of a poison bait. As the time to do the baiting is in June, we are hoping, in co-operation with the federal entomologists, to be able to test this method in that month.

Emergency Calls.

There have been a number of these and, wherever possible, the writer, or his assistant, has personally investigated the trouble.

ADMINISTRATIVE DUTIES

European Corn Borer.

This insect had been increasing in most of the counties in the years 1935, 1936 and 1937, with the result that there was great danger in Essex and Kent of very severe injury in 1938. Fortunately, the growers themselves and the county councils saw the menace and got right behind the inspectors.. The writer met the councils of these counties twice during the winter to talk over the situation and prepare plans. Encouraged by the strong backing they were getting, the inspectors threw themselves with renewed vigor into the work and secured the best clean-up since the passing of the Corn Borer Act. All parties were delighted at the end of the season to find that the borer had decreased 25% in Essex and in all of Kent except one area in which wet weather prevented the work from being as well done as planned. In several counties, however, notably Elgin, Lambton and Middlesex, the borer population was definitely higher than in the previous year.

Apple Maggot

The inspection work for this insect was conducted much as in 1937. Certain difficulties prevented the inspectors from beginning their work as early as desirable. When the fall inspection of orchards had been completed, it was found that though most of the good commercial orchards were free from the maggot, yet in the province as a whole the insect had increased. The same condition was found in other provinces. There seems little or no doubt that most of the increase this year can be attributed to weather conditions. Heavy rains came soon after the first maggot spray had been applied and washed most of the poison off the foliage and fruit. This resulted in some flies escaping the poison and being able to lay a number of eggs before the next spray could destroy them. The unfavorable weather conditions also made such a rush of work that in many cases the growers stated that they were unable to get the second spray properly applied, so this too would affect the results.

Spray Supervision Service.

There is nothing new to report on this as it was carried on in the same manner as in previous years.

Peach Yellows and Little Peach.

Mr. G. G. Dustan has supervised the work of the inspectors and reports that progress is being made in reducing these diseases.

Nursery Inspection.

Nurseries in districts where San Jose scale can thrive have been inspected, but other nurseries also ought to receive inspection lest some new insect may become established in them. The writer has, therefore, requested an extra man for 1939 to make this possible.

Oriental Peach Moth.

The regulation requiring the sterilization by steam of all containers used by canneries in handling peaches has been enforced, as has also the regulation in regard to the destruction by canners of all peach refuse.

ADDRESSES AND PUBLICATIONS

Public Addresses

Addresses have been given to fruit growers on spraying and the control of pests at meetings held at Port Hope, Clarksburg, Hamilton, London, Woodstock and Burgessville, and in addition at smaller local fruit and vegetable meetings.

Publications

Several press letters have been sent out, two radio broadcasts made, and the spray calendar and the insect section of the bulletin "Mushrooms of Ontario" revised.

Two mimeographed circulars, one on the "Control of Mice" and another on the "Control of Rabbits", have been made.

In addition, several articles have been written for agricultural magazines and two papers read at the Annual Meeting of the Entomological Society of Ontario.

NEW LISKEARD DEMONSTRATION FARM

Aided by a reasonable amount of moisture through the growing season and the absence of destructive frosts, crops on the New Liskeard farm during 1938 were perhaps much better on the average than in some of the other nearby districts which suffered from a lack of moisture at critical growing periods and then saw much of their hay crop damaged by rain at harvest time.

Farmers supplying milk to urban centres had a satisfactory year. They had fairly plentiful supplies of feed on hand and in addition received a bonus on milk. On the other hand however, farmers having hay, grain and clover seed to sell received less than average prices and suffered curtailed incomes.

The weather in July was catchy but farmers with early grain varieties harvested them in good condition. Those with late varieties suffered from excess moisture. Farmers are encouraged to sow early grain varieties as these have proved more satisfactory over a period of years. Later grains suffer more from rust and there is always the possibility of wet weather and frost curtailing yields of all late grain. No late grain is sown on the New Liskeard farm.

Excellent plowing weather was experienced in late September and October with the result that there was more fall plowing completed than for many years.

The farm proved conclusively that the Army Worm can be controlled by the use of poison mash placed at the proper time. The Army Worm appeared on the farm July 20 and several acres were sprinkled with mash every evening for over a week. This proved enough to take care of the outbreak and demonstrated to the farming community that this pest can be controlled if precautions are taken immediately they make their appearance.

Seasonal Notes

April 8th	Ice went out of Wabi River
April 12th	Ice went out of Lake Temiskaming
April 27th	First work on land
May 13th	First cereals sown
June 6th	Turned cattle on pasture
July 4th	Commenced cutting hay
July 20th	First appearance of Army Worm on Farm
July 28th	Commenced cutting oats, peas and vetches for ensilage
Aug. 3rd	Cut Fall Wheat
Aug. 11th	Commenced cutting oats
Aug. 25th	Sowed Fall Wheat
Oct. 10th	Cattle stabled for winter
Oct. 26th	Completed fall ploughing

Soil Work

Soil samples were taken of most fields on the Farm, and analysed at the O.A.C. We assisted many farmers to obtain samples to be sent to the O.A.C. at Guelph.

A small amount of experimental work with commercial fertilizer was done on the farm. In most cases results were pronounced and in every case there was sufficient increase to pay the cost of fertilizer. M. F. Cook, local agricultural representative, is co-operating with the Farm in locating suitable farms on which to put experimental fertilizer plots this year.

FIELD HUSBANDRY

The following table gives the yield acreage, time of maturity of the principal crops grown on the Farm.

OATS

Variety	Yield Per Acre	Acreage	Time of Maturity
Cartier Oats	52 bus.	22	88 days
Cartier Oats X	31 bus.	8	88 days
Alaska	50 bus.	40	88 days
Erban	55 bus.	5.8	92 days
Anthony	47 bus.	3	95 days

BARLEY			
O. A. C.	40 bus.	18	87 days
SPRING WHEAT			
Reward "	16 bus.	9	92 days
Cornation	26 bus.	2½	97 days
FALL WHEAT			
Dawson's Golden Chaff	45 bus.	4	
Junior No. 6	45 bus.	4	

X Difference in yield of 2 fields of Cartier due to Army Worm.
" Damage done by Army Worm.

There was no damage by rust on the Farm and very little was noticed in the district. Thus the rust resistant varieties had no particular advantage this year.

Silage

Sunflowers and oats; peas and vetches were used for silage. Both crops yielded exceptionally well, and the ensilage came out in good condition. There appeared to be no difference in feeding value. Sunflowers cost $1.20 per acre to seed, and yielded approximately 11 tons per acre. Oats, peas and vetches cost $5.30 to seed an acre and yielded approximately five tons per acre. They do not freeze so much during the winter in the silo as sunflowers.

Hay

A considerable quantity of hay was damaged by rain. However, there was an average crop harvested on the Farm.

Roots

For two years in succession the farm has experienced almost root crop failures, as the majority of the roots were sown in drills. Only the few sown on the level were worth harvesting.

There was evidence of late blight in potato fields and a number of growers reported scab.

ANIMAL HUSBANDRY

For some years the main work in animal husbandry has been developing and distributing suitable live stock to the farmers of the north. The demand for good breeding stock is steadily increasing.

A successful live stock sale was held August 10th and was well attended by farmers, many of whom had never been on the Farm. The prices realized were not large. However, we felt that the sale was quite a success. It helped to create more interest in the Farm and certainly proved to be a very efficient method of distributing the livestock.

Swine—Nine boars, 14 bred sows, and 42 young pigs were distributed this year, with the demand in excess of the supply.

There has been considerable controversy among the farmers of the district with regard to the winter housing quarters required for the breeding stock in this severe northern climate. With this thought in mind, a portion of the breeding herd was wintered in a well-bedded colony house. All the openings were closed, leaving one just large enough for the sows to pass through at their own free will. They were fed meal in a self-feeding hopper situated in a sheltered corner of the barn yard and were watered twice a day in an open trough. The colony house was always warm, dry and comfortable. The sows got exercise and sunshine going back and forth from the self-feeder. The exposure to sub-zero weather while feeding did not harm them, as there were no frost bites, etc.

Cattle—Only Dual Purpose Shorthorns are kept on the Farm. No females were distributed from the farm this year, as all desirable heifers were retained to increase the Farm breeding herd. There is a keen demand for both bulls and heifers. Five bulls were distributed. The herd is headed at present by two imported in-dam bulls, one of English and the other of Irish breeding.

All the cows are on R. O. P. with the exception of a few reserved for raising bull calves. No market cattle were fed this year.

Horses—Three Registered Percheron mares were shipped to Guelph to be bred and were returned in October. All three have given birth to healthy promising foals. These mares were treated for Joint-ill. Many of the farmers watched the effectiveness of the serum as a large percentage of the foals in the district die of this disease.

The following indicates the livestock population March 31, 1939—Horses, 5; Cattle, 39; Hogs, 46.

Poultry—Leghorns, New Hampshire Reds, and Barred Rocks were kept this year. During the winter the present flock proved unsuitable as foundation stock, thus, we are discarding the entire flock and importing eggs from outstanding flocks in Southern Ontario.

Horticulture—A number of berry canes were distributed last year, and farmers have been encouraged and helped to plant trees, shrubs and flowers to beautify their homes. Considerable information has been distributed along the lines of insect and disease control and general cultural methods, by means of bulletins and letters from this office.

Improvements and Alterations—One row of standing stalls was removed and replaced with four roomy box stalls in the cow barn, thus making a better ratio of standing and box stalls. A new floor was put in a portion of the horse stable, and storm doors were placed on both cow and horse stable.

Labour—C. D. Gardner, formerly Farm Manager of the Demonstration Farm, Hearst, was transferred here as herdsman and Assistant to the Superintendent.

SUMMARY

The Demonstration Farm is playing an ever increasing part in the development of Northern Ontario Agriculture. Many more farmers visited the Farm this year than last and the majority appeared to be particularly interested in fertilizer plots, variety tests of spring grain and Farm live stock. There was almost twice as much live stock distributed this year and much more seed grain distributed. The demand for hatching eggs has increased and many cockerels were distributed for breeding purposes.

For the past two years the Junior Farmer judging competition and Achievement Day has been held on the Farm. A tour and inspection of the field crops of the Farm was held on August 10th.

The Farm Staff has rendered assistance to Englehart Agricultural Society, Charlton Agricultural Society, and to the local Agricultural Representative in School Fair work. Many of the farmers were visited during the year and given advice and assistance in problems of Livestock and Field crops.

More farmers are growing varieties of farm crops suitable to the district and practising crop rotation, fertilization and cultural methods advocacted by the local Agricultural Representative and the Farm.

MILK CONTROL BOARD OF ONTARIO

The fifth annual report of the Milk Control Board is a report of continued service to the milk business of the Province—a service which has resulted in a reasonable supervision of the industry, in a continued price stability, and in the absence throughout the year of any major crisis in any fluid milk market.

The year 1938 was really a year of consolidation in so far as the work of the Board was concerned, in that, there was no change in legislation and no major revision of policy. There were, however, certain major changes in the personnel of the Board. Mr. J. E. Houck, who had succeeded Mr. J. A. MacFeeters as Chairman on January 1, 1936, resigned to enter private business. From April 1, 1938, Mr. L. E. O'Neil, Director of the Live Stock Branch of the Ontario Department of Agriculture, was acting Chairman until the appointment of the new Chairman, in the person of Mr. Charles M. Meek, became effective May 9. At the same time, the Members of the Board were relieved of their responsibilities as Members of the Farm Products Control Board, making it possible for them to give their undivided attention to the administration of the Milk Control Act.

The detailed activities of the Board and the results achieved during the year will be reported under the following main headings,—

A. General Situation in the Industry

B. Meetings of the Board

C. General Administration of the Milk Control Act,—
    1. Licensing
    2. Bonding of Milk Distributors
    3. Milk Price Regulation
        (a) Agreements effecting Fluid Milk Prices
        (b) Arbitrations effecting Fluid Milk Prices
        (c) Manufacturing Milk Prices
    4. Enforcement
    5. Miscellaneous Administration
        (a) Check Testing
        (b) Auditing of Milk Distributors' Records
        (c) Milk Transportation Studies
        (d) Public Addresses

D. Summary of Services Rendered to the Industry

E. Conclusions.

A. GENERAL SITUATION IN THE INDUSTRY:

A few general comments covering the dairy industry in the Province during 1938 will give a suitable introduction to this report.

(1) *Prices*—The reasonably high prices for butter and cheese with which the year started were followed by continually falling prices to the end of the year. Increased stocks of butter and milk powder had a demoralizing effect on the whole industry and even made it difficult to hold fluid milk prices on a steady level. The price situation can best be seen by referring to the month-by-month wholesale prices for cheese, butter and manufacturing milk during 1937 and 1938.

	Cheese-Toronto New Large	Butter-Toronto No. 1 Solids	Manufacturing Milk per 100 pounds 3.5% B.F.
1937—January	13.5	26.5	1.24
February	13.5	25.5	1.21
March	13.25	26	1.22
April	13.25	26.75	1.25
May	14.5	23.	1.12
June	15.5	24.25	1.19
July	14.75	25.75	1.23
August	14.50	27.	1.28
September	14.50	27.	1.28
October	14.50	28.25	1.33
November	14.75	30.25	1.41
December	14.75	30.50	1.42
1938—January	15.	31.75	1.47
February	15.5	34.5	1.59
March	16.	35.75	1.51
April	16.	32.25	1.42
May	15.	27.	1.26
June	14.75	25.5	1.22
July	14.75	25.	1.20
August	14.25	23.75	1.15
September	14.25	22.75	1.12
October	14.25	22.5	1.11
November	13.25	22.	1.09
December	11.5	21.75	1.06

(2) *Cost of Production*—Although definite cost of production figures are not available for the year 1938, it is generally recognized that feed costs were below those of 1937. The 1938 crop was good in most sections of the Province and the costs of purchased feeds were considerably lower. In this connection, it is interesting to note that during the year a report was published by the Federal Department of Agriculture showing the results of the Province-wide cost of milk production studies during the crop year of 1936-37. Even though this report is a preliminary one covering only one year and that a year of poor crops throughout most of the Province, it has much value and indicates the type of information that will be available when the study covers several years. The following table from the report summarizes some of the results of this study,—

	Cost per 100 pounds Milk F.O.B. Plant	Income per 100 pounds Milk F.O.B. Plant	Wages per Hour (After other Costs Deducted)
Fluid Milk Zones			
Toronto	$2.23	$1.90	4.8
Windsor-Chatham	2.18	1.77	7.1
London-Brantford	2.06	1.76	8.5
Hamilton-Niagara	2.28	1.91	6.0

Owen Sound-Peterboro-Oshawa	2.17	1.67	4.2
St. Lawrence Towns	1.74	1.49	8.6
Ottawa	1.62	1.69	19.7
Sudbury-North Bay	2.09	1.95	16.2
Condensory Zones			
Western	1.70	1.20	1.21
Eastern	1.42	1.18	5.4
Cheese Zones			
Western	1.41	1.04	1.6
St. Lawrence	1.27	1.01	5.0
Ottawa Valley	1.24	1.04	7.6
Butter Zone			
Churning Cream Shippers	1.46	1.03	.4

(3) *Fluid Milk Consumption Statistics*—No accurate statistics of fluid milk sales have previously been available but, as the result of a monthly reporting system instituted with the co-operation of the Board, the Statistics Branch of the Ontario Department of Agriculture and the Federal Bureau of Statistics, such figures have been published monthly since January 1938. These reports simplify the study of milk distribution in Ontario.

The table below gives the sales figures in quarts and their value for the main Ontario markets for 1938,—

TOTAL FLUID MILK SALES IN ONTARIO, 12 MONTHS, 1938

	Total Twelve Months, Year 1938	
	Quantity Qts.	Sales Value $ c
Belleville	1,872,161	180,827.39
Brantford	3,470,156	386,141.48
Brockville	1,502,498	145,956.75
Chatham	1,891,133	204,692.86
Cornwall	2,191,033	216,264.89
Fort William and Port Arthur	3,460,122	374,221.91
Galt	1,575,732	170,372.29
Guelph	1,981,053	211,283.42
Hamilton	17,018,392	2,054,873.38
Kingston	3,386,127	325,837.09
Kirkland Lake	2,115,938	278,471.31
Kitchener	4,224,743	454,171.53
London	7,931,360	854,002.53
Muskoka	1,336,745	134,078.04
Niagara Falls	2,862,901	343,708.78
North Bay	1,418,686	145,615.07
Oshawa	2,789,884	295,437.77
Ottawa	17,111,122	1,827,920.15
Owen Sound	1,069,677	116,916.91
Peterboro	2,883,787	302,271.95
Sarnia	2,042,572	213 016.59
Sault Ste. Marie	1,756,928	207,006.14
Stratford	1,536,557	162,432.64
Sudbury	3,488,773	424,343.71
St. Catharines	4,565,737	517,023.50
St. Thomas	1,678,467	212,739.02
Timmins	2,833,569	387,149.00
Toronto	86,959,348	10,366,071.71
Welland	1,415,074	163,049.55
Windsor	11,590,058	1,349,286.00
Woodstock	1,470,515	157,353.14
Remainder of Province	38,616,733	3,777,065.61
	240,048,000	26,965,600.00

With these basic figures now available on a monthly basis, consumption trends for the various markets can now be studied with some degree of accuracy.

(5) *Compulsory Pasteurization*—At the 1938 Session of the Legislature, Ontario secured the most progressive piece of legislation of its kind ever enacted in the world when an amendment to the Public Health Act, providing for the pasteurization of all milk sold to consumers in urban municipalities, was passed. By the end of the year, this law was effective in all towns and cities of the Province and orders had been passed extending its provisions to many smaller places. This advanced legislation has strengthened the consumers' confidence in the milk supply of the entire province and should result in expanded sales, especially, in those areas where supervision has not previously been of the best.

These general comments show that, even though dairy prices, with the exception of fluid milk, have generally been on a lower level, there has been some decided progress made during the year in matters other than price which should lay firmer foundations for future progress in the industry.

B. MEETINGS OF THE BOARD:

As in former years, the time of the Board was divided between meetings of the Board for the formal consideration of license applications, price agreements, arbitrations, hearings, etc., and administrative duties. The Chairman and one Member devoted their entire time to the administration of the Act, while the other Member sat only as a member and had no administrative duties.

Meetings held during the year were as follows,—

(1) Number of Meetings Held 113

(2) Number of Hearings before the Board on License Applications, Price Agreements, Arbitrations, etc.....550

Some idea of the extent to which the decisions of the Board affect the industry throughout the province can be gained from the fact that at the 113 meetings mentioned above decisions were rendered on a total of 1,247 matters. These decisions ranged in importance from the approval of milk price structures in such major markets as Toronto and Hamilton to minor adjustments in territory covered by individual licenses.

C. GENERAL ADMINISTRATION OF THE MILK CONTROL ACT:

(1) *Licensing*—The licensing system, established under the authority of the Milk Control Act, has done much during the last five years to rationalize the milk business throughout Ontario. The ridiculous expansion and consequent overlapping of distributive services which was so evident prior to 1934 has been halted and some improvement secured.

During that time and particularly during the last two years, the Board has refused to issue any new licenses or to extend the territory covered by existing licenses unless the applicant can prove that the service, he plans to give, is needed in the public interest. The result of this policy is seen in the total number of milk distributor licenses in effect during the last two years,—

1937—1,761
1938—1,538

Few licenses have actually been cancelled but licenses surrendered through amalgamations or business failures have not been replaced unless some public interest is served by such replacement. The result is a gradual lessening of unnecessary over-lapping.

The following table shows the numbers of the various classes of licenses in effect during 1938,—

Regular Milk Distributors	598
Producer-Distributors	850
Milk Peddlers or Independent Drivers	90
Milk Manufacturers	36
Milk Transporters	224

(2) *Bonding of Milk Distributors*—The bonding of milk distributors continues to be a major responsibility of the Board and, even though it is impossible to arrange what some people would ask—a guarantee against all losses to producers under all circumstances—the system in effect has been of valuable service to the industry.

In compliance with the present regulations, no regular distributor license is issued until the applicant has satisfied the Board of his financial responsibility. This is usually done by means of a bond deposit and at all times total bond coverage amounting to approximately one and one-half million dollars is in effect. The only exceptions to a bond deposit are cases where the applicant, usually a small purchaser of milk, provides evidence that he pays his accounts promptly at the end of each week and the producers concerned know that no bond is on file.

During the year, the Board found it necessary to call the bonds of nineteen distributors. In connection with nine of these, the distributors concerned were finally able to satisfy the producers' claims without actually using the bond for payment. In eight other cases, the bonds were used for payment and accounts to the value of $9,136.45 were settled by the Board. Two cases remained unsettled at the end of the year.

In addition to the actual settling of unpaid accounts, the bonding has a number of other important values, chief among which are,—

(a) The bonding requirement prevents irresponsible operators from commencing operations as milk distributors.

(b) The bond really makes the producer a preferred creditor and often a personal creditor of the dairy operator, who will make every effort to meet the obligations to his producers rather than permit the bond to be called.

These additional values of the bond have really had more beneficial effects on the industry than the actual payment of unpaid accounts.

It would appear, however, that the value of the bonding provisions have been "oversold", many producers feeling that they have unlimited protection under all circumstances. Such protection is, of course, impossible.

The bond coverage is limited as to amount and covers only one payment period plus an extra period of approximately two weeks. Under these circumstances, the producer must accept the responsibility of reporting unsatisfactory payment situations as soon as recognized, otherwise his dividend from the income of the bond will be lessened.

As the actual beneficiary under the bond, the producer must also refrain from any action which prejudices the position of the surety. One action which might be considered such a prejudice would be a situation where the producer, without the knowledge of the surety, agrees to any deferred settlement of any arrears in payments there may be.

The bond is, of course, deposited only in connection with milk purchased by the distributors named on the license issued by the Board. Each producer, to be sure of bond protection, should be sure that the distributor to whom he sells his milk is the same person whose name appears on the license.

These and some other similar situations limit the protection given by the bonding regulations but, even with these limitations, the bond still has great value.

Some distributors feel that the added expense of supplying a bond is hardship and that some consideration should be given to a distributor who has had a clean record in so far as payments are concerned. The Board has always taken the attitude that all should be treated alike and that the same bonding should apply to all except, perhaps, in the case of pure producer co-operative companies, or private companies or partnerships where all milk is supplied by the directors or members.

The present system may require some adjustment but experience has shown that some system of bonding is fundamentally sound and of great value, not only to the producer protected but also to the whole industry.

(3) *Milk Price Regulation*—Milk prices may be regulated under the provisions of the Milk Control Act by means of one or other of three methods,—

(I) The approval, by order of the Board, after consultation with any consumer representatives who may have been appointed by the Councils of the Municipalities affected, of milk marketing agreements between producers and distributors.

(II) The arbitration by the Board of milk price disputes between producers and distributors.

(III) Order of the Board following an inquiry into conditions surrounding the sale of milk.

Since 1934, approved milk marketing agreements have been effective in most of the major fluid milk markets of the Province and since 1935 in the manufacturing milk field. These agreements have resulted in stabilized price conditions, the absence of which previous to 1934 resulted in the passage of the Act.

Arbitrations have been necessary in only a few situations and, as yet, the third method has not been used.

The price structures established cover not only actual milk prices but also the plan on which milk is purchased from producers and the "fair business practices" which govern the distributing end of the milk business in the area covered by the agreement.

(a) *Agreements effecting Fluid Milk Prices*—The following table summarizes the milk marketing agreements in effect at the end of the year

1. Number of approved agreements in effect December 31, 1937 54
2. New agreements approved during 1938 6
3. Agreements amended during 1938 33
4. Number of approved agreements in effect December 31, 1938 60
   In addition to the above several small markets are covered by local agreements which have not been formally approved by order of the Board.
5. Unofficial agreements in effect December 31, 1938 31
   Total number of markets where the sale of milk is regulated by milk marketing agreements 91

Under these agreements, the milk produced on about 10,000 Ontario farms is sold at regulated prices to the consumers in all important urban centres throughout the Province.

(b) *Arbitrations effecting Fluid Milk Prices*—During the year several situations arose where the bargaining committees of producers and distributors failed to agree on one or more items in their price structure and the Board was asked to arbitrate the matters in dispute.

The responsibility of the Board is admittedly greater in the case of an arbitration than in the case of giving approval to a price structure previously agreed upon by producers and distributors. Therefore, before a decision is rendered, every party to the dispute is given every opportunity to present his position in written briefs and by personal appearance and this evidence, together with the situation in other similar markets and the production and consumption conditions in the market concerned, are all very fully considered.

In three markets the request of producers for a price increase was granted. In one market the request of distributors for a slightly lowered price to producers was granted. In one group of four markets the request of distributors for a lowered producers' price was refused.

With two exceptions, these arbitration decisions have been well received by all who were affected.

(c) *Manufacturing Milk Prices*—Since 1935, milk sold to milk manufacturing plants such as condensories, powder plants, etc., has been paid for on the "formula price" provided for in the manufacturing milk marketing agreement. This agreement has been amended from year to year as weaknesses became apparent.

Early in 1938, the prices of butter and cheese were quite high and the formula price became, admittedly, out of line. An amended agreement was approved which provided for a more stable price.

The monthly formula prices during 1938, together with the basic prices of butter and cheese are listed below,—

	Formula Price — to Producers			
	Cheese	Butter	For Manufacturing Purposes	For Domestic Canned Milk
Jan.	15.	31.75	$1.47	$1.53
Feb.	15.5	34.5	1.59	1.65
March	16.	35.75	1.51	1.57
	(Agreement Amended)			
April	16.	32.25	1.42	1.48
May	15.	27.	1.26	1.31
June	14.75	25.5	1.22	1.27
July	14.75	25.	1.20	1.25
August	14.25	23.75	1.15	1.20
September	14.25	22.75	1.12	1.17
October	14.25	22.5	1.11	1.15
November	13.25	22.	1.09	1.13
December	11.5	21.75	1.06	1.09

Toward the end of the year the fluctuating formula price, even under the amended agreement, brought up some discussion of the desirability of a more stable price for manufacturing milk. Such a basis would have for its justification that fact that many manufactured milk products are sold to consumers at standard prices. On the other hand, these prices can only be provincial prices and the problems of inter-provincial trade complicates the situation. These questions will be discussed when the manufacturing milk marketing agreement is being renewed for 1939.

Milk price regulation, under the authority of the provisions of the Milk Control Act, has eliminated chaos in the industry throughout Ontario and has materially increased the returns to Ontario producers from their most important product.

(4) *Enforcement*—The question of how far the Board should go in using court action to enforce every last detail of the provisions of the Act, the Regulations and the local marketing agreements has always been one on which there has been difference of opinion. The Board itself, however, has always considered that if the co-operation of the industry could be obtained by reason rather than by force the results were much more satisfactory. Court action, therefore, has only been used when other methods of securing the necessary co-operation have failed.

The policy of the Board has, of course, always been a severe one when the infractions were evident intentional violations of the provisions of the Act. Very definite action has been taken in cases of underpayments to producers, falsification of records, incorrect testing, etc. and an increasingly firm attitude has been taken toward those who keep insufficient or inaccurate records, who cut off shippers without just cause and who fail to comply with the provisions of the marketing agreements.

This increased firmness is a natural development. The Act has been in effect for five years and persons guilty of infractions can no longer plead ignorance of the provisions of new legislation, nor can they expect any longer to be excused with only a warning when they fail to comply with those provisions.

Court proceedings have, therefore, been more numerous during the past year and are likely to be even more so if the few individuals who have failed to co-operate and comply with the requirements of the Act continue to disrupt the industry.

The following gives a summary of some of the proceedings taken during the year,—

Five distributors were prosecuted and fined for operating without licenses from the Board. One distributor was prosecuted and fined for operating in a municipality not covered by his license. Two distributors were prosecuted and fined for failing to obey Board orders. Four distributors were prosecuted and fined for failing to pay producers on a proper basis. Several other informations were laid but withdrawn when proof was provided that the distributor concerned had corrected his methods of conducting his business.

In addition to the proceedings taken directly by the Board, the Ontario Distributors' Association used the authority of the Act to take proceedings against a number of distributors who were illegally using bottles and other equipment which was the property of some other distributor.

These proceedings, taken only when an effort to secure co-operation had failed, have had a salutary effect on the industry throughout the Province.

The situation at the end of the year 1938 regarding enforcement is that, although the Board still feels that reason rather than force is the best method of securing the co-operation of the industry, there are some situations which require court action and the Board is fully prepared to use whatever action is required to secure the results necessary for the proper administration of the Act.

(5) *Miscellaneous Administration*—

(a) *Check Testing*—The policy of former years whereby the Department of Agriculture's staff of milk check-testers worked under the supervision of the Board was continued with great benefit to the industry. These men visit the milk distributing plants regularly to check milk tests and to see that proper payments to producers are made. They have also done a considerable amount of auditing work during the past year. As a result of their inspection, the payments to producers are closely supervised and serious situations are reported to the Board often before any complaints have been registered.

(b) *Auditing of Milk Distributors' Records*—The Board always required all milk distributors to keep adequate records of all milk purchased from producers and of all milk sales so that proper payments to producers can be readily checked.

In some markets, there is an arrangement between producers and distributors whereby a producer association auditor does most of this checking but in most markets this work is done by Board officials.

The check-testers spend a considerable amount of their time checking these records and the Board's auditor is almost entirely occupied with this work.

The amount of checking done has been quite extensive but, with 1,538 plants in the Province, the work cannot be as thoroughly done with the present staff as either the Board or the trade would desire or as the importance of this part of the work would warrant.

(c) *Milk Transportation Studies*—It is the considered opinion of the Board that certain conditions, surrounding the transport of milk from producers' farms to milk distributing plants, have resulted in unnecessarily high milk transport costs in some markets.

During the year, the Board spent some time studying these conditions, particularly, the overlapping of transport routes, the relationship existing between transport operators and distributing plant operators, the size of milk loads and milk transport rates.

No definite conclusions have been arrived at but it would appear that some savings could be effected by a certain amount of rationalization of the milk transport business.

(d) *Public Addresses*—Even though the Milk Control Act has been on the Statute books of Ontario for almost five years and even though similar legislation is in effect in most countries of the world, there is still a lack of public understanding of the legislation, its objectives and the accomplishments to date.

For this reason, the Chairman and Members of the Board have accepted invitations to address meetings on the subject of Milk Control work.

These addresses have been well received and have been of value in clearing up many misunderstandings regarding the place of Milk Control in the life of the Province.

These and many other minor activities engaged the attention of the Board during the year 1938.

D. SUMMARY OF SERVICES RENDERED TO THE INDUSTRY:

In the final analysis, a public body, such as the Milk Control Board, is valued not so much from the extent of its activities but from the actual results secured. A summary of these results will indicate that the Board has done much to carry out the purposes for which it was constituted, that is, to do—what the industry itself could not do—to bring about a rationalized fluid milk distribution in the Province of Ontario.

Some of these results are listed herewith,—

1. Under the Board's authority, stabilized milk price structures have been established in all major milk consuming centres of the Province and, in the establishment of these price structures, the economic position of the milk producers rather than the law of "supply and demand" only, has been a prime consideration. These price structures have materially improved the income of those producers.

The position of the consumer is also recognized and, through any consumer representative his municipal council may appoint, his position is considered before prices are approved. The result has been that resale prices are no higher than is necessary to provide the consumer with a safe and adequate supply of high quality milk.

2. A regular system of checking milk tests and payments to producers is in effect. This system, along with the necessary authority to enforce correct payments, has assured the producer actual payments on the established price basis.

This supervision of payments to producers has resulted in the discovery of many inaccuracies. These inaccuracies are usually in small amounts but on a few occasions the errors discovered were quite substantial, in several cases being over $500. and in two instances over $1,000.

The correction of these errors in payment, with consequent court action if the errors were intentional, has not only secured proper payment to producers but has also had a restraining effect on any distributor who, intentionally or otherwise, would pay producers incorrectly.

3. The bonding of milk distributors not only prevents persons, without financial responsibility, starting, "mushroom" milk distributing business but also provides a fund from which unpaid producers may be paid for their milk.

During 1938, because of the bond, the Board was able to assist the producers in collecting very considerable amounts owing to them. Eight bonds were actually used for payment and distribution was made to producers in the amount of $9,136.45, the largest individual item being $4,000. in the case of one bankrupt distributor. In addition, nine other bonds were called but, ultimately, the claims under these bonds were paid by the distributors concerned.

In none of these cases would producers have secured any substantial payment if the bonding provisions of the Act had not been in force.

4. The consistent use of the Board's authority to refuse to issue new distributor licenses or to extend the territory covered by existing licenses unless, in the Board's opinion such issuance would be in the public interest has done more to rationalize the industry than any other action.

One of the causes of chaotic conditions previous to 1934 was the increasing overlapping of distributive services with the consequent "price cutting" situations and ridiculously low income to producers. With practically no new licenses issued since 1935 and with definite encouragement given to the absorption of uneconomic distributing business by existing license holders, the situation has gradually but steadily improved in most markets with a consequent increased efficiency.

5. Regulated resale prices have also been of material benefit to all concerned. Such regulation has made it possible for the producer to be paid correctly when his accounts are due, for the distributor to be relieved of the costs of competing with price-cutting competitors and for the consumer to know what the price of milk is and to be relieved of the fear of quality that always goes with using a low-priced product.

6. Producers now have a reasonable assurance of continuity of market, in that they know that their distributor cannot purchase milk on a cheaper basis from other producers, cannot cut them off as shippers without just cause and cannot force them to buy stock in his company when he gets into financial difficulties. Previous to the establishment of the Board, any or all of these situations were common dangers to the position of the fluid milk producer.

7. The elimination of many uneconomic competitive practices have also done much to increase efficiency in milk distribution. Previous to the passing of the Milk Control Act, there were all kinds of such practices—chief among which were, the giving of premiums, the use of bottles and other equipment belonging to competitors, the temporary employment of drivers for the purpose of "pirating" their knowledge of competitors' business, the sale of uninspected or other bootleg milk. These and many similar practices have been made illegal and their use has been reduced to a minimum, with beneficial results to all concerned.

The foregoing summary gives some of the important results of the Board's supervision of the industry—results that were impossible of achievement by the industry itself and which, as a result of government control, have been of extreme value to producers, distributors and consumers alike.

E. CONCLUSIONS: In concluding this, its fifth annual report, the Milk Control Board of Ontario can state with a certain amount of satisfaction that, despite many criticisms of its administration of the Act, the vital value of its activities are generally recognized throughout the Province, especially, by those who were familiar with the chaotic conditions in the industry previous to the year 1934.

Those who are prone to say that the Board has not gone far enough or been severe enough should, however, remember that even though the Board was constituted to rationalize the milk industry *it* is not a "trade board" but it is a public body, responsible to the public as a whole, and that every decision it makes must be made with the public interest in mind. In all of its decisions, the Board must balance the conflicting opinions of producers, distributors and consumers alike and, in so balancing, it may often render a particular decision which falls short of satisfying fully the desires of some particular group or individual.

It should also be remembered that the Board, primarily, is a body of enquiry, review and arbitration, and should act as a policeman only in those matters which cannot be handled by the trade itself.

Producers and distributors have gone a long way in the development of organizations which can handle many of the problems confronting the industry but further development of such organizations is desirable.

Local associations in most markets have set up bargaining committees who, under the advice of their provincial officers, can ordinarily agree upon a price structure. Local quota committees in many markets are able to settle most disputes in connection with quotas and contracts. Joint transport committees in some markets give an adequate supervision of milk transport problems. The Dairy Relationship Committee is serving a very important purpose in solving provincial problems and clarifying situations for presentation to the Board. The Provincial Distributors' Association has done good work in using the authority of various pieces of legislation to correct many abuses in the use of bottles and other dairy equipment.

The Board feels that an extension of these organizations and joint committees, with a greater assumption by them of certain responsibilities for the conduct of the industry, would be of value. A greater use of the Dairy Relationship Committee, particularly, would be welcomed.

In other words, it is the Board's opinion that the principle of the trade doing everything for itself that it can do is the correct one and that the Board's place should, increasingly, be to carry on only those activities that the trade itself finds impossible.

The Board has been of acknowledged service to the industry in the past and those services could, perhaps, be extended, particularly in the collection of fundamental information and more extensive auditing work, but as yet there is no desire for a government body to take over the entire operation of the milk business in the Province and so the Board, acting on the principle enunciated above, must continue primarily to be—only the catalytic agent with whose assistance the various parts of the industry unite to bring about whatever changes and improvements are necessary.

The activities, discussed in this report, show the main efforts of the Board during the year 1938 to assist the milk industry of the Province in working out solutions for its important problems.

ACKNOWLEDGMENT

It is impossible for the Board to give an individual acknowledgment to the many persons and organizations who, by their whole hearted co-operation, assisted the Board in its work during the past year but the Board does desire to express a general acknowledgment for all such co-operation.

As in the past, the organized milk producers and milk distributors, through their provincial and local associations, officers and fieldmen, have rendered every possible assistance to the Board in its work of stabilizing the industry.

The institution of compulsory pasteurization brought about a close relationship between the Board and the various local and the provincial Departments of Health. The Board's appreciation of the cordiality of this relationship is extended to all of these bodies and, particularly, to Dr. A. E. Berry of the Ontario Department of Health and his staff.

The co-operation of local consumer representatives, in their fair presentations before the Board when changes in milk price structures were being considered, was especially appreciated.

To all of these; to the various government officials who by their advice assisted the Board in its work, to the members of other Milk Boards who have been ever ready to advise our Board and to the many other individuals and organizations whose special co-operation has not been mentioned, the Members of the Milk Control Board of Ontario express their thanks and appreciation.

PROVINCIAL ZOOLOGIST

The work for the year April 1, 1938, to March 31, 1939, was divided between teaching, extension, and field investigations. The responsibility of the Diseases of Fur-Bearing Animals was added to this office and required considerable time.

The laboratory work, related to the investigations of cause of death in over 100 fur-bearing animals sent in during the year, revealed the following:

	FOX	MINK	RABBIT
Parasitism	3	1	0
Pneumonia	4	8	1
Food Poisoning	10	49	0
Septic Arthritis	2	0	0
Peritonitis	1	1	0
Acute Enteritis	1	0	0
Coccidiosis	0	4	5
Uraemia	0	4	0
Nutritional Anemia	0	4	0
Bacillus Welchii	0	1	0

Toxemia, resulting from food that has been exposed to bacterial contaminations of various kinds, principally salmonella and paratyphoid, is causing considerable loss. Out of 99 death losses investigated, 59 were due to toxemia following the consumption of tainted food. Pneumonia was the second greatest cause of death loss. Assistance was given at the two-day annual meeting of the Ontario Fur Farmers' Association and at eight one-day regional meetings held at the following places: Barrie, Arnprior, St. Marys, Mindemoya, Keswick, Smith's Falls, Shallow Lake, and Owen Sound. Investigations into losses on fur farms were also made.

Agricultural Short Courses at Tara, Freelton, Keene, Sterling, and Acton were attended and a three-hour lecture course on Animal Pest Control given at each.

Agricultural Short Courses at O.A.C. Ridgetown Agricultural School, and Kemptville Agricultural School were attended and lectures on Animal Pest Control given.

Numerous trips were made into outlying districts to investigate losses in cattle, horses, sheep, and swine.

Exhibits were staged at the following events: Ottawa Valley Seed Fair at Cornwall, Waterloo Breeders' Field Day at Galt, and the International Plowing Match at Barrie.

Assistance was given at Cattle, Sheep, and Swine Breeders' Meetings where pest control and nutritional troubles were discussed.

The Barrie Island Warble Control project was carried through its seventh year.

A Radio Broadcast, consisting of a series of short articles, one each week, was sent out over C.F.R.B., Toronto, on the subject of Warble Fly Control and also the control of other animal pests.

The College lecture work during the year consisted in the teaching of the Course in Veterinary Physiology to Second and Third Year Students during both terms.

Press articles on fur-bearing animals were prepared for publication in journals of the fur industry.

Multigraphed circulars on the following subjects were prepared and distributed to fur farmers and those inquiring about the industry: Infectious Diseases of the Fox, Care of Mink, Tail Chewing in mink, Food Poisoning, Nutrition, and the Vitamins.

Laboratory service was given to those submitting materials for examination.

The correspondence relating to the fur-bearing animal industry has been quite heavy.

DAIRY BRANCH

The year 1938 may be considered as one producing several changes in the Dairy Branch.

Geo. H. Barr, Director of Dairying, and John H. Scott, Chief Creamery Instructor, retired from active service in September, 1938. C. E. Lackner, former creamery instructor and instructor at the Guelph Dairy School, was appointed Director of Dairying September 1, 1938. J. L. Baker, former creamery instructor and instructor at the Kemptville Dairy School, was appointed Chief Creamery Instructor.

The Dairy Products Act of 1938 came into force on June 7. This Act governs the construction of dairy plants, requirements for factories, licensing of dairy plants, sanitation of plants, collecting, storing, and receiving stations, appointment of director of dairying, and inspectors, duties of inspectors, basis of payment for milk and cream, and provides for the making of regulations pursuant to the Act. It also provides for penalties for violations of the Act or regulations.

On September 1st, 1938, the regulations under the Dairy Products Act, 1938, came into force. New features of the regulations provide for the applications, plans and inspection of sites for new cheese factories and creameries, licenses to operate dairy plants, equipment required for new cheese factories, creameries, and combined cheese factories and creameries, basis of price of milk purchased by distributing plants, changes in the standards and premium for different grades of milk and cream purchased by plants, compulsory pasteurization of whey at cheese factories, sanitary inspection of farms and dairy plants by the inspectors giving inspectors the power to prohibit the sale of milk or cream from farms if it is not produced under sanitary conditions.

Under the Dairy Products Act, 1938, cream receiving stations have been eliminated. Cream receiving stations were a cause of inferior quality cream. Inferior quality butter was the result.

Regulations under the Farm Products Grades and Sales Act also came into force on September 1st, 1938. These regulations provide for the grading, inspecting, selling packages and packing, handling and advertising of dairy products pursuant to the Farm Products Grades and Sales Act.

Production of Butter and Cheese in Ontario:

Production of Creamery Butter	**1938**	**1937**
Eastern Ontario	27,807,611 lbs.	25,747,238 lbs.
Western Ontario	56,148,731 lbs.	52,403,236 lbs.
Northern Ontario	3,515,086 lbs.	3,174,677 lbs.
	87,471,428 lbs.	81,325,151 lbs.

This indicates an increase in creamery butter production of 7.5 per cent as compared with 1937. In 1938, Ontario produced 33 per cent of the total butter produced in the Dominion.

Production of Cheese	**1938**	**1937**
Eastern Ontario	68,513,786 lbs.	74,664,411 lbs.
Western Ontario	16,790,406 lbs.	16 915,012 lbs.
Northern Ontario	339,575 lbs.	331,973 lbs.
	85,643,767 lbs.	91,911,396 lbs.

This indicates a decrease in the production of cheese of 7.1 per cent as compared with 1937. In 1938 Ontario produced 70.9 per cent of the total cheese produced in the Dominion.

Federal Grading of Ontario Cheese.

	Tot. Boxes	No. 1	No. 2	No. 3	No. Grade	Avg. Score
Western Ontario	134,466	95.63%	4.18%	0.18%	.01%	92.291
Eastern Ontario	744,372	94.02	5.81	0.013	.04	92.233
Northern Ontario	2,085	70.46	29.16	0.38	....	90.847
Average, 1938	880,923	94.22	5.62	.11	.03	92.237
Average, 1937	1,000,051	95.44	4.42	.11	.03	92.492

Field Staff	**1938**	**1937**
Chief Instructors	2	2
Cheese and Butter Instructors	2	2
Cheese Instructors	30	30
Creamery Instructors	10	10
	44	44

No. of Dairy Plants—

Condenseries and Milk Powder Plants	39	34
Combined Cheese Factories and Creameries	40	42
Cheese Factories	645	640
Creameries	297	296
	1021	1012

Cheese Factory Instruction—

During 1938, cheese instructors visited approximately 14,500 milk producers sending milk to cheese factories, with the object in view of improving the quality of the milk. Many cases of unsanitary milk production were rectified. During 1938, cheese instructors made 15,528 visits to cheese factories, instructing the makers on rectifying difficulties in manufacturing cheese.

The methylene blue test was introduced into cheese factory work this year by Prof. A. L. Gibson, superintendent of the Kemptville Dairy School. The test proved a satisfactory means of detecting poor quality milk at cheese factories. All cheese instructors were supplied with equipment required to make the test and although many of them did not have the test until well on in the season 12,135 methylene blue tests were made of cheese factory patrons' milk, which proved that a considerable quantity of milk was of inferior quality for cheese production. The instructors visited numerous patrons to aid them in properly caring for milk and sanitary milk production.

The sediment test was also used as a check on sanitary milk production and during the season there were 7,597 tests made by the instructors.

The average per cent of fat in the milk for 1938 was 3.39.

The pounds of whey butter made at the cheese factories for 1938 were 965,078.

The amount of money spent on plant and equipment improvement in 1938 was $175,706.

During October and November all cheese factories were inspected for licenses. Many factories were required to make alterations and improvements in plant and equipment before they could be approved for license.

Creamery Instruction.

When the Dairy Products Act, 1938 became effective on June 7th, the creamery instruction staff spent considerable time and effort in the closing of cream receiving stations. Little difficulty has been encountered as a result of the closing of these stations. A preliminary survey of a section of the province where there were many receiving stations indicates a reduction in second grade cream as received by the creameries of about 3 per cent compared to the same period of the preceding year when these stations were operating.

The instructors, as usual, did the check testing work in the creameries, gave instruction in cream grading, manufacturing methods, sanitation of plants and equipment, etc.

Out of approximately 15,000 cream samples check tested by the instructors, 95.7 per cent were found to be correct. Every effort has been put forth by the cream testers to do the work accurately. Some of the cases where tests were found to be in error were due to neglect in caring for the cream samples after testing.

Approximately 100,000 cans of cream were graded by the instructors in the creameries during 1938—of this amount 4.6 per cent was special grade, 84.15 per cent first grade, 11.2 per cent second grade, and 0.05 per cent off grade. This is an improvement of 0.40 per cent in special and first grade cream as compared with 1937. The five chief defects found in the second grade cream were unclean flavour, stale flavour, yeasty flavour, high acidity and metallic flavour respectively. These five defects accounted for approximately two-thirds of all the second grade cream.

Nearly 300 cream producers were visited last year by the instructors, chiefly to investigate complaints on cream grading and testing. Considerable work was done regarding causes of cream test variation on the farm. Samples of individual skimmings of cream were tested for the producers on their farms. These tests indicated variations of as much as 17 per cent in different separations of the same producer's cream over a period of six or eight separations.

During the winter months the instructors lectured and gave demonstrations on the production of quality milk and cream on the farm, the testing of milk and cream, etc., at the various short courses sponsored by the Agricultural Representatives Branch. Twenty-nine short courses were attended which covered 24 counties and over 1500 farm girls and boys attended these special lectures.

Twenty-one fall fairs sponsored a cream quality production competition. The cream submitted for these competitions was judged by the creamery instruction staff. At eleven of these fairs they also assisted the Ontario Cream Patrons' Association with extension work in connection with their exhibit. Cream grading competitions for junior farmers were also conducted by the instruction staff at several fall fairs.

The Buttermakers' Clubs in Ontario now number fifteen and have a membership approximating 400. These clubs are proving their worth in improving the status of creamery buttermaking generally.

Some 87,465 patrons sent cream to creameries during 1938 and 6,107 patrons shipped milk the fat from which was diverted into butter.

During November and December creameries were inspected for licenses; 38 creameries were approved for license without alteration or improvement in plant and equipment. All the others were required to make improvements before licenses would be granted.

CONTENTS

Ontario Agricultural College 5

Ontario Veterinary College 14

Kemptville Agricultural School 21

Horticultural Experiment Station, Vineland 28

Western Ontario Experimental Farm, Ridgetown 37

Statistics and Publications Branch 45

Agricultural and Horticultural Societies Branch 47

Live Stock Branch 53

Women's Institute Branch 66

Fruit Branch 75

Agricultural Representative Branch 78

Crops, Seeds and Weeds Branch 90

The Farm Products Control Board 94

Provincial Entomologist 104

New Liskeard Demonstration Farm 108

Milk Control Board of Ontario 112

Provincial Zoologist 124

Dairy Branch 125

Ontario Department of Agriculture

ANNUAL REPORT

OF THE

STATISTICS BRANCH
1939

PART I.—AGRICULTURAL STATISTICS
PART II.—CHATTEL MORTGAGES
PART III.—SUMMARY STATISTICS, 1882-1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

SESSIONAL PAPER No. 22, 1940

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1940

Ontario Department of Agriculture
Statistics Branch

PART I — AGRICULTURAL STATISTICS

The gross value of farm production in Ontario for the year 1939 is estimated at $365,614,000, which is a gain of approximately $24,000,000 over the preceding year and $118,000,000 greater than in 1932. In 1929 the gross value of agricultural production in Ontario was $509,218,000. The value of field crop production in 1939 amounted to $149,672,000 as compared with $131,569,000 in 1938, and the value of farm animal production rose from $51,095,000 to $61,196,000. Fruits and vegetables, and poultry and eggs, showed slight gains, but dairy products declined $3,247,000, and tobacco $1,512,000. In the case of Canada the gross value of agricultural production in 1939 is estimated at $1,170,943,000 or approximately $108,000,000 greater than in 1938. Field crop production is up $84,000,000, and farm animals $34,000,000.

GROSS VALUE OF AGRICULTURAL PRODUCTION IN ONTARIO, BY ITEMS, 1931 TO 1939

("000" omitted)

	1931 $	1932 $	1933 $	1934 $	1935 $	1936 $	1937 $	1938 $	1939 $
Field Crops.......	124,541	116,424	135,813	143,734	132,086	166,284	149,100	131,569	149,672
Farm Animals....	33,175	21,957	31,500	34,089	43,344	46,732	50,885	51,095	61.196
Wool............	458	287	553	342	417	533	593	376	449
Dairy Products....	92,276	69,079	74,117	68,304	73,305	81,830	87,647	99,968	87,821
Fruits, Vegetables.	14,412	12,733	12,553	16,608	18,697	18,002	13,003	20,926	21,468
Poultry and Eggs..	29,491	18,565	16,294	19,464	20,915	22,939	21,659	22,329	22,875
Fur Farming......	750	644	721	704	966	1,131	1,351	1,136	1,022
Maple Products...	1,674	888	720	1,040	1,161	1,161	880	853	751
Tobacco..........	6,814	5,703	6,206	6,337	10,226	8,505	15,965	19,058	17,546
Flax Fibre........	179	170	61	150	161	155	133	120	358
Clover, Grass Seed.	1,110	615	1,079	857	1,006	1,417	1,168	1,689	1,381
Honey and Wax...	744	619	1,097	1,309	1,115	1,062	753	1,190	1,075
TOTALS.......	305,624	247,684	280,814	292,938	303,399	349,751	343,137	341,309	365,614

GROSS VALUE OF AGRICULTURAL PRODUCTION IN CANADA, BY ITEMS, 1931 TO 1939

("000 omitted)

	1931 $	1932 $	1933 $	1934 $	1935 $	1936 $	1937 $	1938 $	1939 $
Field Crops.......	435,966	452,527	453,598	549,080	511,873	612,300	556,222	550,069	634,130
Farm Animals....	96,778	65,185	89,063	99,438	120,078	130,979	140,989	136,846	170,837
Wool............	1,644	1,093	2,005	1,255	1,493	1,861	2,049	1,565	1,688
Dairy Products...	191,390	159,074	170,829	172,864	180,756	198,672	215,623	226,155	217,716
Fruits, Vegetables.	39,692	32,157	34,588	43,424	49,964	44,015	41,816	57,095	55,911
Poultry and Eggs..	56,298	42,078	38,060	45,515	50,434	53,244	51,766	53,747	55.483
Fur Farming......	3,557	3,284	4,062	4,534	5,516	6,532	6,802	6,476	5,828
Maple Products...	3,456	2,706	2,059	3,041	3,522	3,714	2,245	3,850	3,444
Tobacco..........	7,178	6,088	6,533	7,218	10,870	9,374	17,140	20,270	19,248
Flax Fibre........	179	170	161	250	321	298	332	519	1,249
Clover, Grass Seed.	1,497	962	1,362	2,010	1,818	2,154	2,344	2,996	2,683
Honey...........	2,246	1,470	2,290	2,575	2,338	2,823	2,164	3,057	2,726
TOTALS.......	839,881	766,794	804,610	931,204	938,983	1,065,966	1,039,492	1,062,645	1,170,943

PRODUCTION AND SHIPPING POINT VALUE OF FRUIT IN ONTARIO, AS COMPARED WITH 1938

	Year	Total Quantity	Average Value per Unit	Total Value
		Barrels	$ c.	$
Apples	1938	845,400	2.06	1,738,000
	1939	1,010,500	1.41	1,425,700
		Bushels		
Pears	1938	295,800	0.92	271,300
	1939	256,400	0.94	240,600
Plums and Prunes	1938	77,200	1.03	79,900
	1939	54,300	0.94	51,100
Peaches	1938	569,600	1.30	740,500
	1939	758,000	1.05	792,900
Cherries	1938	139,500	2.73	380,600
	1939	135,300	1.94	262,800
		Quarts		
Strawberries	1938	7,366,600	0.08	582,100
	1939	9,251,600	0.07	631,900
Raspberries	1938	5,509,800	0.08	434,800
	1939	5,673,300	0.09	523,800
		Pounds		
Grapes	1938	33,638,000	0.02	706,200
	1939	54,000,000	0.02	854,700
Total Value	1938	....	....	4,933,400
	1939	....	....	4,783,500

PRODUCTION AND VALUE OF PRINCIPAL FARM CROPS, 1939

Field Crops	Acres	Bushels per acre	Production	Market Value	
				Total	Per acre
		bush.	bush.	$	$ c.
Fall wheat	735,000	22,271,000	30.0	14,253,000	19.39
Spring wheat	81,800	1,550,000	18.9	1,023,000	12.51
Oats	2,274,100	86,639,000	38.1	29,457,000	12.95
Barley	522,200	16,600,000	31.8	7,636,000	14.62
Peas	51,900	887,000	17.1	1,570,000	30.25
Beans	62,500	1,338,000	21.4	3,011,000	48.18
Rye	75,700	1,378,000	18.2	799,000	10.55
Buckwheat	168,400	2,570,000	21.2	1,856,000	11.02
Flax	6,200	58,000	9.3	92,000	14.84
Corn (shelled)	183,200	8,097,000	44.2	4,453,000	24.31
		cwt.	cwt.		
Potatoes	142,100	7,247,000	51.0	8,189,000	57.63
		bush.	bush.		
Mangels	36,200	16,044,000	442.0	1,925,000	53.18
Turnips	62,000	26,034.000	420.0	3,124,000	50.39
Mixed grains	914,400	35,662,000	39.0	14,621,000	15.99
		Tons	Tons		
Sugar beets	39,900	343,000	8.60	2,127,000	53.31
Corn (for silo), green	335,700	3,545,000	10.55	9,430,000	28.09
Hay and clover	2,400,100	4,067,000	1.69	30,950,000	12.90
Alfalfa	672,700	1,568,000	2.33	12,403,000	18.44
Alsike	82,300	108,000	1.31	751,000	9.13
Sweet clover	239,400	507,000	2.12	2,618,000	10.94
Totals 1939	9,085,800	....	.....	150,288,000	16.54

The acreages devoted to other crops in 1939 were as follows:—Orchards, 182,230; strawberries, 9,261; vineyards, 14,898; other small fruits, 13,721; summer fallow, 188,117; pasture (cleared), 2,749,462.

RAPE.—The estimate for 1939 was 16,099 acres of which 5,655 are in Wellington, 1,865 in Grey and 2,491 in Dufferin.

THE WEATHER

Temperature.—The following table gives the temperature of the Province for each month during the last five years, together with the mean annual temperature for the six months, April–September, practically the growing season, together with the average for the five years, 1935–1939, and fifty-eight years, 1882–1939.

Months	1939	1938	1937	1936	1935	1935–1939	1882–1939
	°	°	°	°	°	°	°
January	18.7	16.2	25.0	16.1	15.1	18.2	18.2
February	19.0	22.2	23.5	11.1	18.1	18.8	17.8
March	24.7	32.1	24.6	31.0	31.4	28.7	27.6
April	37.9	43.6	41.0	37.2	41.1	40.2	41.5
May	55.4	53.3	54.6	56.2	48.9	53.7	53.5
June	63.9	63.5	63.5	62.3	61.6	63.0	63.4
July	67.8	69.5	68.7	69.2	71.5	69.3	68.4
August	68.9	70.3	70.1	66.1	67.5	68.6	66.1
September	59.2	56.1	57.6	59.8	56.2	57.8	59.4
October	47.7	49.5	44.7	45.9	47.4	47.0	47.5
November	33.2	37.4	35.8	30.1	36.3	34.6	35.3
December	27.1	25.0	20.9	26.2	18.5	23.5	23.5
Annual Mean	43.6	44.9	44.2	42.6	42.8	43.6	43.5
Mean for six months April–September	58.9	59.4	59.2	58.5	57.8	58.8	58.7

The mean temperature for 1939 was 43.6 or 13 below the preceding year, and 0.1 degree above the normal of the fifty-eight years, 1882-1939.

The mean of the six months, April–September, was 58.9 or 0.5 degree below the preceding year and 0.2 degree above the fifty-eight year normal.

Seven months were above normal and five below. December had the greatest departure above with 3.6 degrees, and April the greatest below with 3.6 degrees.

SUNSHINE.—In the following the averages of sunshine are derived from the records of the weather stations at Woodstock, Toronto, Lindsay and Ottawa.

Months	Sun. above horizon	1939	1938	1937	1936	1935	1935–1939	1882–1939
	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
January	285.7	62.5	76.8	78.2	61.6	93.9	74.6	75.9
February	291.4	84.7	93.9	98.6	113.6	98.4	97.8	102.5
March	369.9	137.2	129.8	141.6	96.5	144.6	129.9	140.1
April	406.4	137.7	171.2	151.3	111.6	166.3	147.6	176.9
May	461.1	237.9	224.6	211.5	256.6	261.4	238.4	218.0
June	465.7	243.6	240.7	258.9	267.9	226.8	247.6	249.5
July	470.9	308.0	247.4	280.7	320.8	283.7	288.1	270.4
August	434.5	287.5	271.7	236.5	220.0	265.6	256.3	241.4
September	376.3	173.1	172.1	189.6	194.9	177.2	181.4	182.5
October	340.2	135.7	183.1	95.4	137.3	154.8	141.3	139.9
November	286.9	118.1	110.4	80.8	92.0	63.0	92.9	78.3
December	274.3	65.9	60.7	69.5	82.2	69.0	69.5	61.6
For year	4463.3	1991.9	1982.4	1892.6	1955.0	2004.7	1965.4	1937.0
For six months April-September	2614.9	1387.8	1327.7	1328.5	1371.8	1381.0	1359.4	1338.7

The year 1939 had 1,991.9 hours of sunshine, 54.9 hours more than the average for the last fifty-eight years. The six growing months, April–September, had 1,387.8 hours or 49.1 hours above average. Five months were above normal and seven below. August had the greatest departure above with 46.1 hours and April the greatest below with 39.2 hours.

Please note that in Sunshine tables Kingston is not included as this station has ceased recording Sunshine.

The rainfall for the six months, April–September, comprising what is regarded as the growing season for most crops, is given in the following table covering the last five years, 1935–1939, and the normal for the fifty-eight years, 1882–1939.

Months	1939	1938	1937	1936	1935	1935–1939	1882–1939
	in.	in.	in.	in.	in.	in.	in.
April	1.89	1.99	3.52	1.95	1.30	2.13	1.91
May	1.89	2.53	2.61	1.16	1.90	2.02	2.65
June	2.76	2.60	2.88	2.64	4.31	3.04	2.81
July	3.04	3.56	3.10	1.34	3.14	2.84	2.87
August	3.16	3.40	2.97	2.37	1.89	2.76	2.65
September	2.77	3.55	3.09	3.85	2.84	3.22	2.81
Total for six months	15.51	17.63	18.17	13.31	15.38	16.01	15.70

The rainfall for the six months, April–September, was 15.51 or 2.12 inches below the preceding year, and in comparison with the fifty-eight years 0.91 inch below. Two months were above and four below. August, with 0.51 above and May with 0.76 below, had the greatest departure during the growing season.

PRECIPITATION.—The fall of both rain and snow for the five winter months including November, 1939, and March, 1940, is given in the following table for five years, together with the average for the fifty-nine years, 1882–1940. Ten inches of snow is equivalent to one inch of rain.

Months	1940	1939	1938	1937	1936	1936–1940	1882–1940
	in.	in.	in.	in.	in.	in.	in.
November, 1939:							
Rain	0.66	1.31	2.12	1.15	2.59	1.57	1.98
Snow	1.6	8.8	4.4	11.0	6.1	6.4	7.5
December, 1939;							
Rain	0.94	0.68	0.27	1.75	0.41	0.81	1.17
Snow	7.4	20.1	22.9	12.4	15.5	15.7	15.4
January, 1940:							
Rain	0.39	0.42	0.70	2.82	0.28	0.92	0.93
Snow	19.7	21.3	17.0	11.3	20.5	17.9	18.6
February, 1940:							
Rain	0.13	1.01	2.18	1.27	0.37	0.99	0.72
Snow	14.8	25.0	9.4	11.9	19.6	16.1	15.4
March, 1940:							
Rain	0.58	0.69	2.07	0.15	1.82	1.06	1.16
Snow	18.4	15.5	7.2	11.0	17.9	14.0	11.2
Five Months:							
Rain	2.70	4.11	7.34	7.14	5.47	5.35	5.96
Snow	61.9	90.7	60.9	57.6	79.6	70.1	68.1

The total amount of rainfall for the five months was 2.70 inches or 3.26 below the average for the fifty-nine years, 1882-1940. The total amount of snowfall was 61.9 inches or 6.2 below normal.

TEMPERATURES, 1939

Table I.—Showing for each month the highest, lowest, mean daily range and mean temperature at the principal stations in Ontario for 1939; also the annual mean for each station.

Months	Southampton	Chatham	London	Woodstock	Vineland	Toronto	Lindsay	Beatrice	Ottawa	Montreal River
	°	°	°	°	°	°	°	°	°	°
January:										
Highest	42.0	55.0	53.0	50.0	55.3	52.2	43.0	44.0	44.0	43.0
Lowest	—4.0	—5.0	—6.0	—9.0	—1.6	—8.8	—23.0	—31.0	—27.0	—43.0
Daily range	13.4	13.5	15.2	14.1	12.9	13.4	19.0	20.2	19.8	21.1
Monthly mean	20.6	26.1	22.7	21.9	26.2	23.7	16.0	14.0	12.1	3.5
February:										
Highest	44.0	56.0	45.0	43.0	48.2	45.7	41.5	42.0	39.0	41.0
Lowest	—9.0	3.0	—4.0	—3.0	0.2	—7.0	—15.1	—20.0	—18.0	—36.0
Daily range	15.5	16.3	16.2	15.8	16.0	15.0	18.6	19.3	22.6	30.1
Monthly mean	20.6	26.3	23.6	22.8	27.1	24.8	17.2	14.5	10.0	2.8
March:										
Highest	56.5	73.0	66.9	62.3	61.3	52.3	45.3	47.0	41.0	47.0
Lowest	—5.5	8.0	1.2	—0.5	7.0	3.9	—8.5	—22.0	—13.0	—37.5
Daily range	13.4	13.0	14.7	13.8	11.0	12.2	14.9	20.5	17.8	32.9
Monthly mean	24.6	32.8	28.9	27.1	30.4	28.7	23.6	20.0	18.9	11.5
April:										
Highest	70.5	78.0	78.5	75.0	75.1	75.5	67.3	71.0	61.0	73.0
Lowest	20.0	23.0	14.2	19.0	24.3	24.1	10.4	10.0	10.0	1.0
Daily range	12.9	15.1	15.0	13.0	13.9	12.3	16.6	17.9	14.0	24.6
Monthly mean	37.0	42.9	40.7	39.8	40.9	40.6	36.9	34.5	34.3	31.7
May										
Highest	81.2	90.0	86.4	87.0	87.8	86.3	84.1	82.0	86.0	88.0
Lowest	26.8	31.0	29.1	30.0	35.9	35.0	28.5	24.0	27.0	19.0
Daily range	19.5	23.4	24.4	21.9	21.5	19.1	23.4	26.3	23.2	31.0
Monthly mean	52.4	60.0	56.5	56.9	56.7	57.8	55.4	53.1	54.4	51.3
June:										
Highest	84.2	91.0	86.1	87.0	86.0	89.4	90.3	85.0	86.0	87.0
Lowest	38.8	44.0	39.9	43.0	45.9	47.2	42.5	39.0	42.0	32.0
Daily range	21.0	19.1	21.0	19.7	16.7	17.2	21.9	24.3	21.9	30.6
Monthly mean	61.7	69.1	65.3	64.6	64.2	65.5	63.8	61.7	63.5	59.9
July:										
Highest	90.0	94.0	90.0	92.0	92.2	93.0	92.5	89.0	93.0	95.0
Lowest	45.0	47.0	40.2	42.0	48.0	50.3	45.0	39.0	45.0	38.0
Daily range	19.0	20.9	23.4	21.0	19.4	19.7	19.8	25.4	22.7	31.2
Monthly mean	66.4	71.9	68.8	67.9	70.4	71.7	61.8	66.0	67.9	65.6
August:										
Highest	84.5	88.0	86.9	87.0	90.2	86.8	85.9	84.0	87.0	85.0
Lowest	51.5	54.0	50.0	52.0	54.8	57.5	49.5	43.0	49.0	38.0
Daily range	17.7	19.6	23.7	21.6	16.8	18.1	22.2	23.1	22.5	28.0
Monthly mean	67.4	71.8	69.3	69.4	71.9	72.2	68.5	65.6	68.5	64.1
September:										
Highest	91.2	96.0	94.2	94.0	94.6	92.1	91.7	86.0	91.0	90.0
Lowest	33.2	42.0	35.0	34.0	42.2	41.0	32.1	27.0	30.0	24.0
Daily range	19.0	21.0	21.7	20.8	17.7	16.2	20.5	23.0	20.4	28.4
Monthly mean	58.7	64.8	61.6	61.0	64.6	61.7	57.5	55.0	56.1	50.7
October:										
Highest	77.0	82.0	75.8	75.0	80.0	75.8	73.5	75.0	70.0	72.0
Lowest	28.0	27.0	24.0	27.0	28.6	28.6	36.0	12.0	18.0	11.0
Daily range	18.3	17.6	18.8	19.6	16.9	14.3	18.0	19.4	18.2	10.7
Monthly mean	48.9	52.7	49.6	48.1	51.1	50.0	45.0	44.1	44.0	43.5
November:										
Highest	52.5	64.0	59.6	59.0	66.5	62.0	56.5	50.0	54.0	48.0
Lowest	13.5	20.0	17.0	18.4	22.6	20.3	9.0	4.0	8.0	—1.0
Daily range	15.4	15.6	16.4	14.8	13.5	13.0	17.4	18.2	15.9	19.2
Monthly mean	35.4	38.4	35.0	34.9	37.8	36.9	30.8	28.5	29.8	24.8
December:										
Highest	49.5	52.0	49.9	47.0	51.9	49.0	46.5	45.0	45.6	41.0
Lowest	4.0	10.0	4.0	4.0	10.0	4.6	—3.1	—10.0	—9.8	—21.0
Daily range	11.9	8.2	10.3	10.3	10.2	9.6	13.0	16.3	12.6	18.2
Monthly mean	29.4	33.1	30.5	29.9	33.2	31.4	24.5	21.7	19.5	17.6
Annual mean	43.6	49.2	46.0	45.4	47.9	47.1	41.7	39.9	39.9	35.6

AVERAGE TEMPERATURE FOR FIFTY-EIGHT YEARS

Table II.—Showing for each month the monthly average for the highest, lowest, mean daily range and mean temperature at the principal stations in Ontario, derived from the fifty-eight years, 1882-1939; also the annual mean at each station for the same period.

Months	Southampton	Chatham	London	Woodstock	Vineland	Toronto	Lindsay	Beatrice	Ottawa	Montreal River
	°	°	°	°	°	°	°	°	°	°
January:										
Highest	44.4	46.9	45.8	45.6	49.5	45.6	41.7	40.8	41.0	38.3
Lowest	—6.9	—6.3	—8.5	—9.3	—3.8	—6.1	—19.0	—26.8	—21.0	—34.6
Daily range	14.2	12.5	14.8	15.0	14.1	14.1	17.9	20.1	17.8	25.1
Monthly mean	21.1	22.9	21.9	20.7	25.2	23.0	16.3	14.3	12.1	4.4
February:										
Highest	44.0	49.7	46.6	45.3	48.3	45.2	41.8	41.5	40.4	41.1
Lowest	—11.2	—6.6	—9.4	—9.4	—4.3	—6.1	—17.1	—25.7	—19.4	—34.8
Daily range	16.1	14.2	16.4	16.1	14.9	14.8	19.4	21.8	19.0	25.8
Monthly mean	19.0	22.4	20.9	19.7	23.5	21.9	15.9	13.7	13.0	8.1
March:										
Highest	54.7	60.7	59.9	57.5	60.1	57.0	53.0	51.0	50.0	51.3
Lowest	—2.1	3.0	0.9	0.9	6.6	4.9	— 6.1	—13.0	—7.8	—23.4
Daily range	16.3	15.4	17.3	16.1	14.7	14.3	18.4	20.5	17.3	25.9
Monthly mean	27.2	31.5	30.4	28.7	32.7	30.5	26.1	23.8	24.9	20.0
April:										
Highest	72.2	77.4	75.9	73.8	76.5	71.5	74.2	71.3	75.6	72.3
Lowest	16.2	19.9	18.6	18.2	21.5	21.5	14.5	10.1	15.6	4.0
Daily range	17.3	18.5	20.4	19.2	17.0	16.5	20.8	21.0	19.3	24.4
Monthly mean	40.0	44.3	43.1	42.1	43.9	42.8	41.2	38.9	41.2	37.2
May:										
Highest	79.8	84.4	83.5	81.1	84.6	81.2	83.3	81.1	83.5	84.6
Lowest	28.3	30.2	29.2	29.4	32.9	32.3	27.7	25.7	30.9	19.6
Daily range	19.3	21.7	23.0	21.7	20.4	19.3	24.2	23.7	21.9	27.4
Monthly mean	50.7	55.9	55.1	53.6	54.6	54.2	53.9	51.8	54.9	50.9
June:										
Highest	85.1	89.8	89.3	86.5	90.8	87.9	89.3	86.6	88.4	90.1
Lowest	37.4	39.4	38.1	38.9	41.6	42.4	38.1	35.3	41.2	32.7
Daily range	19.8	21.9	23.4	21.9	21.0	20.2	24.8	24.7	21.6	28.4
Monthly mean	60.3	65.6	64.8	63.4	65.1	64.4	63.6	61.6	64.6	60.9
July:										
Highest	87.8	93.9	92.9	90.0	93.1	91.9	92.2	89.5	91.3	92.2
Lowest	44.2	45.7	44.2	44.7	48.3	49.3	44.1	41.7	48.0	39.1
Daily range	19.8	22.4	23.4	22.2	21.0	20.3	24.7	23.8	21.0	28.8
Monthly mean	66.2	70.6	69.5	68.0	71.1	69.6	67.9	66.2	69.0	65.9
August:										
Highest	86.3	91.6	91.0	88.5	92.9	89.5	90.3	87.4	89.2	88.5
Lowest	42.3	44.3	41.4	42.3	46.3	47.2	40.8	37.6	44.1	35.9
Daily range	18.4	21.6	23.5	22.8	20.5	21.3	24.5	23.5	21.3	26.1
Monthly mean	64.8	69.5	67.1	65.6	69.0	66.8	65.7	63.8	66.4	62.0
September:										
Highest	84.5	88.6	87.4	85.1	89.2	85.8	85.6	83.0	85.2	83.6
Lowest	34.5	35.6	32.4	33.0	36.5	37.2	31.8	29.6	33.5	28.1
Daily range	18.2	20.2	22.2	21.1	19.9	28.5	22.6	21.8	20.6	24.3
Monthly mean	59.1	62.4	60.8	59.4	62.6	60.8	58.4	57.0	58.7	54.5
October:										
Highest	74.6	77.4	76.2	74.4	77.5	74.1	74.3	72.2	72.9	72.7
Lowest	25.8	26.9	24.2	24.2	26.8	27.4	21.6	20.1	24.0	17.2
Daily range	16.1	17.7	19.9	18.5	18.2	16.2	20.0	18.9	17.8	19.8
Monthly mean	48.1	50.4	48.5	47.4	50.7	49.0	46.3	45.3	46.2	42.7
November:										
Highest	61.7	64.1	62.4	61.7	65.6	61.1	59.7	58.6	59.2	55.7
Lowest	14.1	15.0	13.1	12.4	17.7	15.7	6.5	4.9	7.4	—2.1
Daily range	13.4	12.7	14.5	14.0	13.8	12.7	15.4	14.8	12.9	15.6
Monthly mean	36.9	38.2	36.8	35.8	39.6	37.9	33.9	32.8	32.9	28.7
December:										
Highest	48.5	50.1	51.5	48.5	52.8	48.8	45.4	44.2	43.2	42.6
Lowest	0.2	1.7	—1.7	—2.6	1.1	0.3	—12.5	—16.1	—14.6	—25.6
Daily range	12.3	10.9	13.1	12.9	12.4	12.3	16.0	16.9	14.8	19.9
Monthly mean	26.5	27.4	26.4	25.2	29.2	27.6	21.3	20.0	18.0	13.5
The year	43.3	46.8	45.4	44.1	47.3	45.7	42.5	40.8	41.8	37.4

RAIN AND SNOW

TABLE III.—Summary of the total fall of rain and snow and the number of days on which rain and snow fell in Ontario during 1939, at stations reporting the whole year, and the average of the Province.

Stations	Rain		Snow	
	Inches	Days	Inches	Days
Algoma:				
Biscotasing	21.62	77	117.4	65
Franz	16.43	93	175.3	77
Kapuskasing	19.58	78	87.8	59
Steep Hill Falls	In	com	plete	
Brant:				
Brantford	24.35	73	51.8	33
Paris	30.47	92	46.8	30
Bruce:				
Southampton	27.32	111	96.4	60
Tobermory	25.55	63	91.0	27
Walkerton	26.31	77	118.0	41
Carleton:				
Ottawa	26.03	95	10.42	63
Dundas:				
Morrisburg	25.87	98	10.35	66
Orono	22.25	89	11.74	52
Elgin:				
St. Thomas	27.77	99	43.0	33
Essex:				
Harrow	25.64	108	39.0	29
Leamington	24.10	89	33.1	21
Frontenac:				
Kingston	21.45	99	84.1	50
Grey:				
Eugenia	In	com	plete	
Halton:				
Georgetown	16.13	60	49.6	24
Hastings:				
Belleville	18.71	111	96.0	59
Queensboro	In	com	plete	
Trenton	18.65	81	87.8	36
Huron:				
Brucefield	19.38	52	46.5	26
Lucknow	17.76	65	106.1	51
Ridgecrest	19.46	66	29.0	10
Kenora:				
Ignace	18.52	73	70.2	47
Kent:				
Chatham	23.73	88	44.0	26
Leeds:				
Brockville	27.05	88	73.2	35
Lincoln:				
St. Catharines	18.77	77	42.0	22
Vineland	25.39	97	44.4	33
Manitoulin:				
Providence Bay	19.38	47	73.9	29
Middlesex:				
London	27.19	118	55.2	57
Lucan	28.77	95	80.6	41
Muskoka:				
Beatrice	27.85	88	103.0	40
Nipissing:				
Algonquin Park	18.10	67	103.2	65
Haileybury	22.85	102	74.5	83
Iroquois Falls	25.01	84	99.4	72
Madawaska	12.30	48	61.0	27
Montreal River	22.50	104	88.7	80
North Bay	24.34	115	67.2	86
Rutherglen	20.93	67	72.5	20
Norfolk:				
Simcoe	26.88	90	64.9	36
Northumberland:				
Healey Falls	18.81	81	90.1	39
Oxford:				
Woodstock	26.43	87	59.6	40
Parry Sound:				
Magnetawan	24.13	94	110.9	66
Nipissing:				
Parry Sound	26.07	123	139.0	86
Peel:				
Alton	17.43	51	77.5	34
Perth:				
Stratford	24.36	91	81.3	49
Peterborough:				
Apsley	26.01	103	91.4	47
Lakefield	16.82	50	78.7	27
Peterborough	18.76	90	91.2	49
Rainy River:				
Emo	22.15	74	78.8	32
Fort Frances	In	com	plete	
Kenora	13.63	70	50.4	40
Mine Centre	17.82	60	51.3	39
Sioux Lookout	21.72	87	61.6	68
Atikokan	17.16	43	56.6	30
Renfrew:				
Clontarf	15.94	68	70.7	37
Pembroke	23.00	78	64.4	41
Simcoe:				
Beeton	19.10	74	51.3	21
Orillia	23.35	83	62.1	38
Washago	26.53	99	90.0	42
Sudbury:				
Chapleau	24.03	90	94.5	60
Coniston	21.15	81	94.6	55
Timmins	22.17	85	106.1	75
Thunder Bay:				
Kakabeka Falls	15.00	76	79.5	32
Port Arthur	16.52	86	83.5	40
Savanne	18.88	60	83.6	42
Schreiber	17.52	79	70.5	35
Victoria:				
Fenelon Falls	18.69	84	83.9	50
Lindsay	23.17	101	93.3	63
Welland:				
Welland	25.36	91	74.2	53
Wellington:				
Guelph	18.79	74	58.8	40
York:				
Agincourt	20.42	93	71.5	45
Toronto	20.74	95	69.7	42
Average for the Province 1939	21.81	83	79.5	45
1938	25.61	92	67.6	41
1937	27.46	91	67.6	44
1882–1939	24.25	74	73.0	40

RAIN AND SNOW

Table IV.—Monthly summary of inches of rain and snow in precipitation in the several districts in Ontario in 1939. Also the average derived from the fifty-eight years, 1882-1939.

Months	West and Southwest		North and Northwest		Centre		East and Northeast		The Province	
	Rain	Snow	Rain	Snow	Rain	Snow	Rain	Snow	Rain	Snow
1939	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
January............	0.48	21.8	0.38	15.6	0.37	26.9	0.43	20.9	0.42	21.3
February...........	2.15	18.8	0.10	29.1	1.08	22.4	0.80	29.9	1.03	25.0
March..............	1.25	12.5	0.01	16.7	0.90	16.8	0.59	16.0	0.69	15.5
April..............	2.78	6.5	0.79	7.5	2.31	6.0	1.68	7.3	1.89	6.8
May................	1.55	0.9	2.46	0.3	1.77	......	1.79	......	1.89	0.3
June...............	3.46	......	3.51	......	2.34	......	1.75	......	2.76	......
July...............	2.65	......	2.92	......	3.00	......	3.59	......	3.04	......
August.............	2.30	......	3.57	......	3.67	......	3.10	......	3.16	......
September..........	2.22	......	2.97	0.2	2.44	......	3.45	0.1	2.77	0.1
October............	2.85	0.2	2.34	4.9	2.78	0.8	2.28	0.2	2.56	1.5
November...........	0.94	0.5	0.35	2.2	0.73	1.4	0.60	2.3	.66	1.6
December...........	0.98	5.8	0.25	10.3	1.15	5.9	1.36	7.4	.94	7.4
The year........	23.61	67.0	19.65	86.8	22.54	80.2	21.42	84.1	21.81	79.5
1882–1939										
January............	1.19	16.0	0.49	22.6	1.07	16.8	1.00	19.1	0.94	18.6
February...........	1.09	13.5	0.32	17.8	0.87	14.2	0.63	16.3	0.73	15.4
March..............	1.39	9.0	0.76	13.4	1.30	10.4	1.04	11.8	1.12	11.1
April..............	2.22	2.3	1.49	4.8	2.08	3.2	1.84	3.6	1.91	3.5
May................	2.94	0.1	2.38	0.3	2.68	0.1	2.61	0.1	2.65	0.2
June...............	2.91	......	2.78	......	2.77	......	2.79	......	2.81	......
July...............	2.73	......	3.04	......	2.84	......	2.87	......	2.87	......
August.............	2.69	......	2.81	......	2.46	......	2.64	......	2.65	......
September..........	2.77	......	3.13	Trace	2.63	......	2.72	Trace	2.81	......
October............	2.69	0.8	2.73	2.6	2.56	0.8	2.46	1.0	2.61	1.3
November...........	2.25	5.8	1.63	11.9	2.05	5.4	1.97	6.7	1.98	7.5
December...........	1.80	14.2	0.64	19.9	1.16	13.0	1.07	14.3	1.17	15.4
The year........	26.67	61.7	22.20	93.3	24.47	63.9	23.64	72.9	24.25	73.0

SUNSHINE

Table V.—Monthly summary of bright sunshine at the principal stations in Ontario for 1939 showing the number of hours the sun was above the horizon, the hours of registered sunshine, the total for the year and average derived from the fifty-eight years, 1882-1939.

Months	Sun above horizon	Woodstock	Toronto	Lindsay	Ottawa	Average of five stations		
						1939	1938	1882–1939
1939	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
January	285.7	64.6	56.1	50.2	79.4	62.5	76.8	....
February	291.4	94.0	95.0	70.6	79.2	84.7	93.9	....
March	369.9	139.9	149.7	129.1	130.0	137.2	129.8	....
April	406.4	143.7	133.9	136.2	137.1	137.7	171.2	....
May	461.1	244.9	264.2	208.6	234.0	237.9	224.6	....
June	465.7	260.2	250.8	222.0	241.4	243.6	240.7	....
July	470.9	313.4	334.8	289.7	294.3	308.0	247.4	....
August	434.5	269.8	307.3	269.2	303.5	287.5	271.7	....
September	376.3	179.2	177.2	159.4	176.4	173.1	172.1	....
October	340.2	158.1	148.5	123.4	112.8	135.7	183.1	....
November	286.9	108.1	118.9	107.9	137.3	118.1	110.4	....
December	274.3	60.1	66.6	79.4	57.5	65.9	60.7	....
For year	4,463.3	2,036.0	2,103.0	1,845.7	1,982.9	1,991.9	1,982.4	....
1882–1939								
January	....	66.6	76.7	71.4	89.0	....	....	75.9
February	....	93.3	106.7	97.8	112.3	....	....	102.5
March	....	125.8	148.3	137.7	148.6	....	....	140.1
April	....	166.7	183.8	170.2	186.9	....	....	176.9
May	....	218.9	228.4	205.1	219.5	....	....	218.0
June	....	257.4	264.6	229.7	246.1	....	....	249.5
July	....	281.2	288.5	246.6	265.3	....	....	270.4
August	....	240.0	255.8	223.1	246.5	....	....	241.4
September	....	177.8	203.7	174.0	174.6	....	....	182.5
October	....	146.7	152.9	126.8	133.2	....	....	139.9
November	....	77.5	84.2	69.8	81.7	....	....	78.3
December	....	55.8	65.5	57.2	68.0	....	....	61.6
For year	....	1,907.7	2,059.1	1,809.4	1,971.7	....	....	1,937.0

RURAL AREA ASSESSED

Table VI.—Showing by County Municipalities the rural area of Ontario as returned by Municipal Assessors for 1939 to the Department of Municipal Affairs.

Counties and Districts	Acres of Assessed Land			Acres Cleared			Per cent. cleared
	Resident	Non-resident	Total	Resident	Non-resident	Total	
Algoma	259,118	67,078	326,196	68,653	3,975	72,628	22.27
Brant	213,098	1,598	214,696	177,223	682	177,905	82.86
Bruce	925,189	6,371	931,560	577,718	5,792	583,510	62.64
Carleton	537,975	20,575	558,550	371,892	10,793	382,685	68.51
Cochrane	114,942	55,368	170,310	44,524	5,471	49,995	29.36
Dufferin	356,171	....	356,171	285,419	....	285,419	80.14
Dundas	240,278	....	240,278	194,227	....	194,227	80.83
Durham	365,905	3,881	369,786	309,564	2,220	311,784	84.31
Elgin	422,997	10,519	433,516	356,613	8,257	364,870	84.17
Essex	404,922	12,679	417,601	339,855	11,198	351,053	84.06
Frontenac	606,004	73,498	679,502	234,113	12,605	246,718	36.31
Glengarry	287,591	1,173	288,764	197,886	750	198,636	68.79
Grenville	269,257	2,802	272,059	184,654	1,299	185,953	68.35
Grey	1,064,647	588	1,065,235	691,934	1,010	692,944	65.05
Haldimand	280,058	2,264	282,322	236,967	1,786	238,753	84.57
Haliburton	447,037	36,059	483,096	38,987	7,128	46,115	9.55
Halton	219,793	3,107	222,900	171,978	1,890	173,868	78.00
Hastings	941,496	132,500	1,073,996	387,924	16,655	404,579	37.67
Huron	782,666	17,297	799,963	660,630	15,334	675,964	84.45
Kenora	99,616	10,261	109,877	16,275	1,896	18,171	16.54
Kent	559,761	9,164	568,925	497,192	7,226	504,418	88.66
Lambton	650,779	8,702	659,481	557,859	7,664	565,523	85.75
Lanark	657,600	5,896	663,496	339,333	3,035	342,368	51.60
Leeds	460,137	7,687	467,824	269,126	2,900	272,026	58.15
Lennox & Addington	405,559	18,936	424,495	252,729	1,752	254,481	59.95
Lincoln	187,814	412	188,226	162,911	300	163,211	86.71
Manitoulin	294,640	77,906	372,546	52,911	1,706	54,617	14.66
Middlesex	744,962	10,451	755,413	657,452	22,479	679,931	90.01
Muskoka	512,120	43,462	555,582	70,997	3,299	74,296	13.37
Nipissing	293,597	12,608	306,205	73,458	2,742	76,200	24.89
Norfolk	390,318	3,410	393,728	257,097	2,730	259,827	65.99
Northumberland	436,244	889	437,133	351,569	849	352,418	80.62
Ontario	496,485	8,262	504,747	378,500	3,043	381,543	75.59
Oxford	458,726	4,070	462,796	407,982	3,264	411,246	88.86
Parry Sound	502,230	90,045	592,275	90,535	6,833	97,368	16.44
Peel	285,489	2,952	288,441	260,275	2,474	262,749	91.09
Perth	512,290	4,296	516,586	456,701	3,292	459,993	89.04
Peterborough	516,727	63,629	580,356	250,660	30,208	280,868	48.40
Prescott	282,351	6,428	288,779	220,491	4,640	225,131	77.96
Prince Edward	233,954	1,091	235,045	199,069	....	199,069	84.69
Rainy River	347,044	50,628	397,672	62,045	6,139	68,184	17.15
Renfrew	1,000,520	80,390	1,080,910	370,678	25,454	396,132	36.65
Russell	232,407	19,581	251,988	160,679	12,571	173,250	68.75
Simcoe	950,512	21,518	972,030	688,119	10,885	699,004	71.91
Stormont	244,550	....	244,550	177,666	....	177,666	72.65
Sudbury	312,060	112,949	425,009	78,543	11,179	89,722	21.11
Thunder Bay	515,005	16,330	531,335	63,873	1,880	65,753	12.38
Timiskaming	239,636	63,353	302,989	80,862	8,103	88,965	29.36
Victoria	575,298	41,809	617,107	296,721	4,992	301,713	48.89
Waterloo	305,358	....	305,358	255,897	....	255,897	83.80
Welland	218,398	3,372	221,770	182,454	1,028	183,482	82.74
Wellington	627,016	....	627,016	521,236	....	521,236	83.13
Wentworth	264,190	....	264,190	204,557	....	204,557	77.43
York	506,627	18,012	524,639	439,195	5,387	444,582	84.74
The Province:							
1939	24,059,164	1,265,856	25,325,020	14,936,408	306,795	15,243,203	60.19
1938	24,068,565	1,250,261	25,318,826	15,025,184	293,233	15,318,417	60.50
1937	24,169,857	1,213,592	25,383,449	15,075,635	244,498	15,320,133	60.35

Note—Statistics regarding non-resident lands which should include unoccupied lands assessable are not satisfactory, as many assessors do not make any distinction on their rolls.

FALL WHEAT AND SPRING WHEAT

Table VII.—Showing by County Municipalities of Ontario the area, produce and market value of Fall Wheat and Spring Wheat for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Fall Wheat				Spring Wheat			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	244	22.8	5,563	4,239	953	17.3	16,487	11,904
Brant	16,414	30.9	507,193	318,010	272	20.1	5,467	3,275
Bruce	27,493	33.2	912,768	585,084	1,307	19.6	25,617	16,241
Carleton	384	25.8	9,907	6,935	4,293	20.7	88,865	62,294
Cochrane	64	22.1	1,414	1,077	246	19.0	4,674	3,375
Dufferin	3,974	28.9	114,849	73,618	1,856	19.4	36,006	22,828
Dundas	89	22.1	1,967	1,377	1,224	20.0	24,480	17,860
Durham	13,405	26.9	360,595	243,762	2,412	18.4	44,381	28,093
Elgin	18,622	30.4	566,109	354,950	417	19.6	8,173	4,896
Essex	47,993	24.7	1,185,427	743,263	1,489	20.5	30,525	18,284
Frontenac	511	24.9	12,724	8,906	1,835	16.7	30,727	21,540
Glengarry	213	24.6	5,240	3,668	1,829	20.1	36,763	25,771
Grenville	113	24.2	2,735	1,915	465	18.7	8,696	6,096
Grey	24,327	31.4	763,868	489,639	2,661	19.7	52,421	33,235
Haldimand	20,174	29.5	595,133	373,398	1,062	18.9	20,072	12,023
Haliburton	18	23.6	425	287	59	15.5	915	579
Halton	9,996	33.7	336,865	215,930	2,161	20.8	44,949	28,498
Hastings	5,287	26.6	140,634	95,068	1,526	16.2	24,721	15,648
Huron	49,301	31.7	1,562,842	1,002,782	1,708	20.3	34,672	21,982
Kenora	19	22.0	418	319	295	18.7	5,517	3,983
Kent	67,897	28.9	1,962,223	1,230,314	1,726	21.3	36,764	22,022
Lambton	59,578	30.1	1,793,204	1,124,338	1,134	21.8	24,721	14,808
Lanark	291	21.6	6,286	4,400	3,717	18.6	69,136	48,464
Leeds	453	26.0	11,778	8,244	1,199	20.0	23,980	16,890
Lennox & Add'gton	1,362	21.6	29,419	20,593	2,463	20.0	49,260	34,533
Lincoln	11,675	27.1	316,393	198,378	439	19.4	8,517	5,102
Manitoulin	509	23.3	11,860	9,037	487	18.5	9,010	6,505
Middlesex	50,032	32.0	1,601,024	1,003,842	883	20.5	18,102	10,843
Muskoka	49	25.7	1,259	851	112	16.7	1,870	1,184
Nipissing	54	20.4	1,102	840	435	19.2	8,352	6,030
Norfolk	12,891	30.4	391,386	245,329	433	20.8	9,006	5,395
Northumberland	13,324	28.2	375,737	253,998	1,878	17.3	32,489	20,566
Ontario	15,227	31.9	485,741	328,361	2,550	19.6	49,980	31,637
Oxford	27,684	33.6	930,182	583,224	342	22.7	7,763	4,650
Parry Sound	36	24.3	875	592	321	18.7	6,003	3,800
Peel	14,965	32.8	490,852	314,636	2,248	19.4	43,612	27,650
Perth	28,081	34.3	963,178	619,397	801	22.7	18,183	11,528
Peterborough	10,008	29.2	292,234	197,550	1,049	17.0	17,833	11,288
Prescott	212	22.1	4,685	3,280	1,203	19.4	23,288	16,325
Prince Edward	3,166	23.1	73,135	49,439	993	17.6	17,477	3,076
Rainy River	128	22.7	2,906	2,214	1,121	19.3	21,635	15,620
Renfrew	1,068	24.8	26,486	18,540	10,852	15.4	166,836	119,952
Russell	72	22.2	1,598	1,118	879	19.5	17,149	12,021
Simcoe	61,169	30.8	1,884,005	1,207,647	2,775	18.8	52,170	33,076
Stormont	159	23.1	3,673	2,571	728	20.8	15,142	10,615
Sudbury	64	20.4	1,306	995	652	16.8	10,954	7,908
Thunder Bay	107	21.9	2,343	1,785	1,085	17.8	19,313	13,944
Timiskaming	52	19.0	988	753	1,204	17.6	21,190	15,299
Victoria	12,853	27.9	358,599	242,412	1,792	18.1	32,435	20,531
Waterloo	23,204	33.3	772,693	499,296	421	19.1	8,041	5,098
Welland	18,371	22.2	407,836	255,713	358	18.6	6,659	3,988
Wellington	14,752	34.0	501,568	321,500	2,784	20.6	57,350	36,360
Wentworth	14,615	29.9	436,450	273,654	652	20.7	13,496	8,084
York	32,239	32.3	1,041,320	703,932	3,971	22.2	88,156	59,803
The Province:								
1939	734,988	30.3	22,271,000	14,253,000	81,757	18.9	1,550,000	1,023,000
1938	742,062	26.7	19,805,775	11,082,514	88,001	18.1	1,592,289	923,545

OATS AND BARLEY

Table VIII.—Showing by County Municipalities of Ontario the area, produce and market value of Oats and Barley for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Oats				Barley			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	12,068	32.3	389,796	146,174	1,565	30.2	47,263	22,828
Brant	28,229	40.6	1,146,097	373,627	5,724	30.8	176,299	78,629
Bruce	84,267	42.1	3,547,641	1,160,079	18,736	35.7	668,875	303,000
Carleton	69,121	41.0	2,833,961	997,554	14,744	35.6	524,886	254,045
Cochrane	5,142	31.0	159,402	59,776	888	27.3	24,242	11,709
Dufferin	41,106	41.1	1,689,457	552,452	12,819	32.8	420,463	190,470
Dundas	17,814	35.4	630,616	221,977	11,538	30.5	351,909	170,324
Durham	39,144	33.2	1,299,581	471,748	8,469	26.8	226,969	105,314
Elgin	48,069	38.8	1,865,077	608,015	5,721	33.6	192,226	85,733
Essex	61,385	38.4	2,357,184	768,442	7,476	29.1	217,552	97,028
Frontenac	30,286	30.4	920,694	324,084	4,001	25.3	101,225	48,993
Glengarry	41,243	37.2	1,534,240	540,052	8,371	33.8	282,940	136,943
Grenville	25,532	33.6	857,875	301,972	3,515	28.4	99,826	48,316
Grey	122,150	39.5	4,824,925	1,577,750	29,387	33.8	993,281	449,956
Haldimand	33,611	35.3	1,186,468	386,788	7,295	27.8	202,801	90,449
Haliburton	6,508	24.0	156,192	56,698	323	22.0	7,106	3,297
Halton	24,407	41.3	1,008,009	329,619	8,119	33.6	272,798	123,577
Hastings	74,417	29.8	2,217,627	804,999	12,755	24.2	308,671	143,223
Huron	92,028	42.5	3,911,190	1,278,959	30,345	34.7	1,052,972	470,996
Kenora	2,651	34.5	91,460	34,298	665	29.6	19,684	9,507
Kent	61,230	44.6	2,730,858	892,260	11,801	32.3	381,172	170,003
Lambton	78,776	39.9	3,143,162	1,044,671	15,537	31.2	484,754	216,200
Lanark	36,258	36.3	1,316,165	463,290	8,222	30.2	248,304	120,179
Leeds	39,530	32.2	1,272,866	448,049	5,247	28.3	148,490	71,869
Lennox & Add'gton	35,277	31.1	1,097,115	386,184	7,280	27.3	198,744	96,192
Lincoln	18,834	27.8	523,585	170,689	1,588	24.8	39,382	17,564
Manitoulin	7,047	34.3	241,712	90,642	1,562	30.0	46,860	22,633
Middlesex	94,192	42.6	4,012,579	1,328,100	17,794	32.5	578,305	257,924
Muskoka	10,311	33.8	348,512	126,510	405	30.0	12,150	5,638
Nipissing	17,301	33.4	577,853	216,695	2,872	28.8	82,714	39,951
Norfolk	29,005	38.7	1,122,494	365,933	2,710	31.2	84,552	37,710
Northumberland	58,473	30.9	1,806,816	655,874	8,507	25.0	212,675	98,681
Ontario	57,263	37.8	2,164,541	785,728	14,581	31.2	454,927	211,080
Oxford	52,961	47.8	2,531,536	825,281	9,826	38.4	377,318	168,462
Parry Sound	18,004	32.5	585,130	212,402	1,457	29.3	42,690	19,808
Peel	31,237	37.3	1,165,140	381,000	16,185	29.5	477,458	216,288
Perth	68,855	48.4	3,332,582	1,089,754	23,419	39.4	922,786	418,022
Peterborough	44,111	32.5	1,433,608	520,400	6,675	25.3	168,878	78,359
Prescott	51,940	38.2	1,984,108	698,406	9,134	33.8	308,729	149,425
Prince Edward	25,135	30.0	754,050	273,720	7,670	26.3	201,721	93,599
Rainy River	7,611	36.0	273,996	102,749	3,894	30.7	119,546	57,741
Renfrew	68,849	32.2	2,216,938	780,362	11,342	29.5	334,589	161,941
Russell	35,127	36.6	1,285,648	452,548	7,398	30.2	223,420	108,135
Simcoe	105,497	39.9	4,209,330	1,376,457	39,390	30.8	1,213,212	549,585
Stormont	28,006	37.3	1,044,624	367,708	6,123	32.1	196,548	95,129
Sudbury	15,726	30.6	481,216	180,456	2,369	27.3	64,674	31,238
Thunder Bay	5,334	31.8	169,621	63,608	1,547	27.8	43,007	20,772
Timiskaming	14,902	31.6	470,903	176,589	3,577	30.1	107,657	51,998
Victoria	52,123	32.3	1,683,573	611,137	16,352	29.7	485,654	225,343
Waterloo	43,661	44.2	1,928,112	630,493	8,796	39.2	344,803	156,196
Welland	23,687	27.7	656,130	213,898	1,693	22.7	38,431	17,140
Wellington	83,724	43.2	3,616,877	1,182,749	20,348	33.4	679,623	307,869
Wentworth	30,765	37.9	1,165,994	380,114	5,748	31.2	179,338	79,985
York	64,196	41.5	2,664,134	967,481	28,727	31.5	904,901	419,004
The Province:								
1939	2,274,126	38.1	86,639,000	29,457,000	522,232	31.8	16,600,000	7,636,000
1938	2,262,930	36.8	83,198,318	23,231,985	544,017	30.6	16,648,991	6,793,249

PEAS AND BEANS

TABLE IX.—Showing by County Municipalities of Ontario the area, produce and market value of Peas and Beans for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Peas				Beans			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	581	16.6	9,645	16,300	19	12.8	243	580
Brant	542	17.3	9,377	15,941	140	17.1	2,394	5,362
Bruce	1,550	20.8	32,310	56,543	283	16.4	4,641	10,535
Carleton	714	20.2	14,423	27,259	149	15.7	2,339	5,403
Cochrane	282	15.1	4,258	7,196	5	12.6	63	151
Dufferin	617	20.5	12,661	22,157	51	15.3	780	1,771
Dundas	51	18.2	928	1,754	107	14.7	1,573	3,634
Durham	3,609	14.8	53,413	93,433	429	13.1	5,620	12,926
Elgin	513	18.1	9,285	15,785	9,121	19.8	180,596	404,535
Essex	1,191	18.7	22,272	37,862	1,025	17.0	17,425	39,032
Frontenac	136	15.4	2,094	3,958	97	11.9	1,154	2,666
Glengarry	177	17.5	3,098	5,855	125	13.4	1,675	3,869
Grenville	69	18.2	1,256	2,374	64	13.0	832	1,922
Grey	1,872	20.5	38,440	67,270	112	15.9	1,781	4,043
Haldimand	273	16.1	4,395	7,472	53	17.6	933	2,090
Haliburton	48	14.2	682	1,194	12	13.6	163	375
Halton	180	21.1	3,794	6,640	30	15.7	471	1,069
Hastings	1,613	18.5	29,841	52,222	187	13.7	2,562	5,893
Huron	1,582	20.4	32,324	56,567	12,368	25.9	320,331	727,192
Kenora	37	17.3	640	1,082	7	11.7	82	196
Kent	998	16.7	16,667	28,334	27,533	21.5	591,704	1,325,417
Lambton	713	15.5	11,052	18,788	1,498	19.6	29,361	65,768
Lanark	892	20.2	18,018	34,054	89	12.0	1,068	2,467
Leeds	119	17.1	2,035	3,846	101	12.1	1,222	2,823
Lennox & Add'gton	371	14.8	5,491	10,378	145	12.1	1,755	4,054
Lincoln	47	12.6	592	1,006	110	15.4	1,694	3,795
Manitoulin	404	15.4	6,222	10,515	11	14.1	155	370
Middlesex	956	18.3	17,495	29,742	5,504	21.1	116,134	260,640
Muskoka	139	18.0	2,502	4,379	10	13.2	132	304
Nipissing	496	18.1	8,978	15,173	29	13.6	394	942
Norfolk	830	14.6	12,118	20,601	102	17.3	1,765	3,954
Northumberland	2,499	14.2	35,486	62,100	308	14.7	4,528	10,414
Ontario	1,315	20.3	26,695	46,016	57	16.1	918	2,111
Oxford	744	15.3	11,383	19,351	198	17.7	3,505	7,858
Parry Sound	384	17.2	6,605	11,558	22	13.1	288	662
Peel	393	20.6	8,113	14,198	19	15.9	302	686
Perth	1,265	22.2	28,071	49,124	168	18.9	3,175	7,207
Peterborough	1,445	12.0	17,340	30,345	62	12.9	800	1,840
Prescott	517	15.3	7,910	14,950	233	14.6	3,402	7,858
Prince Edward	3,488	15.1	52,669	92,171	134	14.1	1,889	4,345
Rainy River	85	16.1	1,369	2,314	21	14.2	298	712
Renfrew	9,293	16.3	151,476	284,289	364	15.2	5,533	12,781
Russell	342	17.4	5,951	11,247	214	14.1	3,017	6,969
Simcoe	2,801	17.5	48,963	85,685	426	17.1	7,285	16,537
Stormont	96	18.0	1,728	3,266	69	14.3	987	2,280
Sudbury	616	15.0	9,240	15,616	16	13.2	211	504
Thunder Bay	329	18.0	5,922	10,008	18	13.9	250	597
Timiskaming	555	16.5	9,158	15,477	5	12.7	64	153
Victoria	1,513	14.8	22,392	39,186	46	13.6	626	1,440
Waterloo	457	21.3	9,729	17,026	137	16.4	2,247	5,100
Welland	89	13.5	1,202	2,043	282	14.8	4,174	9,350
Wellington	1,025	20.6	21,090	36,908	69	18.0	1,242	2,819
Wentworth	524	15.7	8,227	13,986	107	15.4	1,648	3,691
York	525	19.0	9,975	17,456	36	15.8	569	1,308
The Province:								
1939	51,902	17.1	887,000	1,570,000	62,527	21.4	1,338,000	3,011,000
1938	52,405	17.2	899,103	1,348,680	59,727	22.9	1,366,018	1,366,018

RYE AND BUCKWHEAT

TABLE X.—Showing by County Municipalities of Ontario the area, produce and market value of Rye and Buckwheat for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Rye				Buckwheat			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	97	16.2	1,571	965	211	17.6	3,714	2,273
Brant	4,578	18.9	86,524	49,232	2,529	17.1	43,246	22,618
Bruce	439	21.0	9,219	5,273	4,362	23.8	103,816	52,635
Carleton	263	22.0	5,786	3,564	5,759	23.0	132,457	68,348
Cochrane	22	17.5	385	236	28	15.5	434	266
Dufferin	1933	19.3	37,307	21,340	2,505	21.2	53,106	26,925
Dundas	167	20.5	3,424	2,109	2,962	22.7	67,237	34,694
Durham	8,295	14.3	118,619	69,392	5,947	20.3	120,724	63,742
Elgin	2,145	19.3	41,399	23,556	3,811	19.6	74,696	39,066
Essex	678	18.3	12,377	7,043	433	20.4	8,833	4,620
Frontenac	429	20.1	8,623	5,311	1,691	21.4	36,187	18,672
Glengarry	57	20.2	1,151	709	3,832	23.1	88,519	45,676
Grenville	116	20.2	2,343	1,443	5,379	23.0	123,717	63,838
Grey	278	19.7	5,477	3,133	3,772	22.8	86,002	43,603
Haldimand	533	21.0	11,193	6,369	1,103	20.5	22,612	11,826
Haliburton	68	14.8	1,006	589	308	19.2	5,914	3,123
Halton	458	20.5	9,389	5,371	795	19.3	15,344	7,779
Hastings	3,163	18.8	59,464	34,786	5,281	20.4	107,732	56,882
Huron	318	20.9	6,646	3,802	7,111	22.4	159,286	80,758
Kenora	3	16.4	49	30	14	16.7	234	143
Kent	1,168	22.5	26,280	14,953	1,427	19.3	27,541	14,404
Lambton	612	20.8	12,730	7,243	1,241	19.0	23,579	12,332
Lanark	245	19.2	4,704	2,898	5,427	21.1	114,510	59,087
Leeds	164	18.7	3,067	1,889	4,558	19.2	87,514	45,857
Lennox & Add'gton	955	16.0	15,280	9,412	3,917	15.4	60,322	31,126
Lincoln	483	22.2	10,723	6,101	322	20.0	6,440	3,368
Manitoulin	51	20.5	1,046	642	351	23.8	8,354	5,113
Middlesex	895	21.0	18,795	10,694	5,478	21.6	118,325	61,884
Muskoka	59	18.9	1,115	652	335	19.7	6,600	3,485
Nipissing	79	17.6	1,390	853	459	21.7	9,960	6,096
Norfolk	9,509	19.5	185,524	105,563	2,497	20.6	51,438	26,902
Northumberland	8,263	16.7	137,992	80,725	10,514	21.1	221,754	117,086
Ontario	4,338	18.7	81,121	47,456	8,126	22.6	183,648	96,966
Oxford	1,812	20.9	37,871	21,549	3,656	23.9	87,378	45,699
Parry Sound	47	17.1	804	470	275	19.0	5,225	2,759
Peel	1,027	20.0	20,540	11,741	1,426	20.5	29,233	14,821
Perth	146	22.6	3,300	1,888	3,322	24.2	80,392	40,759
Peterborough	1,015	17.0	17,255	10,094	4,002	24.1	96,448	50,925
Prescott	89	19.3	1,718	1,058	2,634	21.9	57,685	29,765
Prince Edward	4,195	15.6	65,442	38,284	4,139	18.8	77,813	41,085
Rainy River	99	18.5	1,832	1,125	224	19.0	4,256	2,605
Renfrew	4,439	14.2	63,034	38,829	6,172	18.2	112,330	57,989
Russell	65	17.3	1,125	693	2,648	17.2	45,546	23,502
Simcoe	5,528	21.8	120,510	68,932	10,341	21.7	224,400	113,771
Stormont	62	17.4	1,079	665	2,356	22.6	53,246	27,475
Sudbury	187	16.8	3,142	1,929	567	19.9	11,283	6,905
Thunder Bay	68	19.0	1,292	793	145	20.1	2,915	1,784
Timiskaming	56	16.9	946	581	299	22.7	6,787	4,154
Victoria	1,007	18.0	18,126	10,604	6,922	19.5	134,979	71,269
Waterloo	873	22.1	19,293	11,036	1,038	22.7	23,563	11,946
Welland	354	17.3	6,124	3,485	845	14.5	12,253	6,408
Wellington	601	21.8	13,102	7,494	6,663	22.5	149,918	76,008
Wentworth	658	22.3	14,673	8,349	1,689	18.4	31,078	16,254
York	2,463	18.3	45,073	26,067	6,556	22.8	149,477	78,924
The Province:								
1939	75,652	18.2	1,378,000	799,000	168,404	21.2	3,570,000	1,856,000
1938	74,129	19.4	1,439,266	626,738	183,200	19.1	3,507,176	1,440,364

FLAX AND MIXED GRAINS

TABLE XI.—Showing by County Municipalities of Ontario the area, produce and market value of Flax and Mixed Grains for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Flax				Mixed Grains			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	18	8.3	149	238	2,346	32.6	76,480	35,181
Brant	2	9.1	18	28	15,285	34.8	531,918	205,850
Bruce	582	10.6	6,169	9,806	32,864	42.8	1,406,579	568,258
Carleton	62	8.9	552	867	18,032	40.7	733,902	320,715
Cochrane	3	8.3	25	40	437	30.6	13,372	6,151
Dufferin	78	8.6	671	1,074	27,670	40.1	1,109,567	448,205
Dundas	24	8.4	202	317	18,527	34.2	633,623	276,893
Durham	53	7.7	408	657	28,842	30.8	888,333	389,978
Elgin	33	8.6	284	435	15,759	37.7	594,114	229,922
Essex	64	8.5	544	832	3,001	36.5	109,537	42,391
Frontenac	20	8.8	176	276	4,980	33.2	165,336	72,252
Glengarry	157	9.6	1,507	2,366	3,152	32.9	103,701	45,317
Grenville	19	9.6	182	286	5,558	29.4	163,405	70,408
Grey	276	10.5	2,898	4,637	49,238	39.0	1,920,282	775,794
Haldimand	51	8.3	423	647	11,293	34.5	389,609	150,770
Haliburton	7	7.5	53	85	553	22.6	12,497	5,486
Halton	2	9.0	18	29	12,478	39.9	497,872	200,140
Hastings	59	7.8	460	741	16,025	35.2	564,080	247,631
Huron	1,095	9.2	10,041	16,066	56,539	42.4	2,395,638	967,838
Kenora	2	8.2	16	26	169	32.0	5,408	2,488
Kent	8	8.8	70	106	12,747	42.5	541,748	209,656
Lambton	260	9.1	2,366	3,480	20,388	37.1	756,395	292,725
Lanark	57	8.5	485	761	11,464	33.2	380,605	166,024
Leeds	33	8.3	274	430	7,015	32.1	225,182	98,405
Lennox & Add'gton	12	8.6	103	161	13,287	32.7	434,485	189,870
Lincoln	6	8.8	53	81	4,461	27.5	122,678	47,476
Manitoulin	11	8.8	97	165	2,631	33.6	88,402	40,665
Middlesex	142	8.8	1,250	1,900	30,417	40.9	1,244,055	481,449
Muskoka	3	7.3	22	35	427	30.8	13,152	5,774
Nipissing	63	9.6	605	968	1,576	31.7	49,959	22,981
Norfolk	16	8.3	133	203	5,974	39.8	237,765	92,015
Northumberland	145	8.2	1,189	1,914	21,922	28.9	633,546	278,127
Ontario	82	8.2	672	1,082	40,537	36.3	1,471,493	645,985
Oxford	11	8.3	91	130	53,633	48.3	2,590,474	1,002,513
Parry Sound	17	7.5	128	206	1,253	31.5	39,470	17,327
Peel	54	8.5	459	734	21,952	39.0	856,128	345,876
Perth	279	9.6	2,678	4,285	55,746	47.3	2,636,785	1,065,261
Peterborough	41	7.3	299	481	6,155	27.1	166,800	73,225
Prescott	112	9.5	1,064	1,670	3,592	33.1	118,895	51,957
Prince Edward	47	8.0	376	605	8,519	30.8	262,385	115,187
Rainy River	414	12.3	5,092	8,147	203	31.9	6,476	2,979
Renfrew	159	9.0	1,431	2,247	5,494	27.8	152,733	66,744
Russell	175	9.4	1,645	2,583	4,412	31.1	137,213	59,962
Simcoe	444	9.2	4,085	6,536	36,029	35.5	1,279,030	516,728
Stormont	41	9.2	377	592	6,158	35.9	221,072	96,608
Sudbury	12	7.9	95	152	1,229	28.5	35,027	16,112
Thunder Bay	8	7.5	60	96	847	33.5	28,375	13,053
Timiskaming	41	8.4	344	550	2,899	32.7	94,797	43,607
Victoria	118	8.6	1,015	1,634	20,257	33.7	682,661	299,688
Waterloo	168	8.9	1,495	2,392	40,755	43.8	1,785,069	721,168
Welland	19	7.9	150	230	2,992	27.9	83,477	32,306
Wellington	518	9.0	4,662	7,459	80,996	42.4	3,434,230	1,377,429
Wentworth	21	8.5	179	274	21,335	38.7	825,665	319,532
York	18	8.9	160	258	44,314	38.6	1,710,520	750,918
The Province:								
1939	6,162	9.3	58,000	92,000	914,364	39.0	35,662,000	14,621,000
1938	5,176	8.7	44,917	56,200	888,321	36.7	32,596,707	11,522,394

CORN

TABLE XII.—Showing by County Municipalities of Ontario the area, produce and market value of Corn for husking and for fodder for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Corn for Husking				Corn for Silo			
	Acres	Per acre	Bushels (shelled)	Market value	Acres	Per acre	Tons (green)	Market value
				$				$
Algoma	78	24.6	1,919	1,220	327	7.88	2,577	8,581
Brant	2,769	40.1	111,036	60,737	8,757	9.02	78,988	215,637
Bruce	201	38.2	7,678	4,123	4,527	10.39	47,036	109,124
Carleton	682	34.6	23,597	14,559	13,474	11.78	158,724	444,427
Cochrane	3	21.2	64	41	41	7.62	312	1,040
Dufferin	28	36.5	1,022	549	742	11.21	8,318	19,297
Dundas	351	35.9	12,601	7,775	11,008	10.86	119,547	334,732
Durham	456	35.9	16,370	9,609	5,919	10.00	59,190	156,854
Elgin	10,616	43.4	460,734	250,021	15,026	9.70	145,752	397,903
Essex	61,273	47.1	2,885,958	1,578,619	6,411	10.10	64,751	176,770
Frontenac	839	37.3	31,295	19,309	4,212	9.72	40,941	114,635
Glengarry	386	35.2	13,587	8,383	5,515	10.56	58,238	163,066
Grenville	539	35.2	18,973	11,706	6,352	11.94	75,843	212,360
Grey	214	35.7	7,640	4,103	6,551	10.85	71,078	164,901
Haldimand	1,461	39.2	57,271	31,327	3,198	9.80	31,340	85,558
Haliburton	77	26.8	2,064	1,212	281	7.62	2,141	5,674
Halton	85	33.6	2,856	1,534	3,986	10.42	41,534	96,359
Hastings	1,836	32.1	58,936	34,505	8,718	10.10	88,052	233,337
Huron	816	36.9	30,110	16,069	6,955	10.52	73,167	169,747
Kenora	4	17.2	69	44	20	7.46	149	496
Kent	55,005	44.4	2,442,222	1,335,895	13,593	10.52	142,998	390,385
Lambton	13,850	46.1	637,999	348,985	14,968	10.40	155,667	424,971
Lanark	647	32.4	20,963	12,934	7,624	10.32	78,680	220,304
Leeds	1,291	33.5	43,249	26,685	12,278	10.69	131,252	367,506
Lennox & Add'gton	723	34.6	25,016	15,435	3,782	9.25	34,984	97,955
Lincoln	1,624	42.5	69,020	37,754	4,062	9.86	40,051	109,339
Manitoulin	82	27.3	2,239	1,426	846	10.48	8,866	29,524
Middlesex	7,221	44.8	323,501	176,955	24,939	11.21	279,566	763,215
Muskoka	43	30.5	1,312	770	495	7.49	3,708	9,826
Nipissing	39	25.8	1,006	641	228	9.22	2,102	7,000
Norfolk	5,985	43.3	259,151	141,756	7,002	10.40	72,821	198,801
Northumberland	1,492	37.2	55,502	32,580	7,751	10.68	82,781	219,370
Ontario	456	39.1	17,830	10,466	8,543	12.46	106,446	282,082
Oxford	1,801	43.8	78,884	43,150	24,653	10.29	253,679	692,543
Parry Sound	42	31.1	1,306	767	211	7.59	1,601	4,243
Peel	174	34.1	5,933	3,186	4,141	9.02	37,352	86,657
Perth	209	38.9	8,130	4,366	10,777	11.01	118,655	275,280
Peterborough	108	30.4	3,283	1,927	3,721	10.60	39,443	104,524
Prescott	707	36.5	25,806	15,922	5,438	10.17	55,304	154,851
Prince Edward	1,711	34.5	59,030	34,651	3,217	9.26	29,789	78,940
Rainy River	48	24.2	1,162	740	102	7.26	741	2,468
Renfrew	251	34.4	8,634	5,327	3,593	11.10	39,882	111,670
Russell	307	33.8	10,377	6,403	4,735	10.37	49,102	137,486
Simcoe	572	35.3	20,192	10,843	6,774	10.56	71,553	166,002
Stormont	442	35.1	15,514	9,572	6,069	11.02	66,880	187,064
Sudbury	27	24.3	656	418	179	8.26	1,479	4,925
Thunder Bay	14	21.9	307	196	18	6.84	123	410
Timiskaming	12	22.8	274	175	45	7.96	358	1,192
Victoria	104	30.6	3,182	1,868	4,529	9.12	41,304	109,402
Waterloo	153	36.9	5,645	3,031	8,509	11.56	98,364	228,204
Welland	3,746	38.4	143,846	78,684	4,965	7.40	36,749	100,325
Wellington	305	35.9	10,950	5,880	8,663	12.02	104,129	241,579
Wentworth	1,134	40.3	45,700	24,998	7,289	9.50	69,246	189,042
York	136	39.7	5,399	3,169	9,932	12.25	121,667	322,417
The Province:								
1939	183,175	44.2	8,097,000	4,453,000	335,691	10.55	3,545,000	9,430,000
1938	180,130	42.7	7,696,212	3,307,900	321,754	10.79	3,470,225	8,726,715

POTATOES AND TURNIPS

TABLE XIII.—Showing by County Municipalities of Ontario the area, produce and market value of Potatoes and Turnips for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Potatoes				Turnips			
	Acres	Per acre	Hundred weight	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	1,145	57.9	66,296	88,174	296	321	95,016	11,402
Brant	2,635	48.3	127,271	141,271	1,386	417	577,962	69,323
Bruce	2,825	47.0	132,775	139,414	2,649	435	1,153,315	138,338
Carleton	6,424	54.8	352,035	408,361	985	387	381,195	45,743
Cochrane	773	57.0	44,061	58,601	91	324	29,484	3,538
Dufferin	5,005	46.2	231,231	242,793	1,400	431	603,400	72,408
Dundas	1,229	54.0	66,366	76,985	103	385	39,655	4,759
Durham	3,219	49.8	160,306	179,543	1,706	413	704,578	84,549
Elgin	2,269	53.8	122,072	135,500	206	414	85,284	10,234
Essex	2,371	48.0	113,808	126,327	103	421	43,363	5,204
Frontenac	2,985	53.2	158,802	184,210	268	381	102,108	12,253
Glengarry	1,632	52.0	84,864	98,442	184	383	70,472	8,457
Grenville	1,896	56.0	106,176	123,164	137	381	52,197	6,264
Grey	4,857	45.8	222,451	233,574	2,663	437	1,163,731	139,648
Haldimand	1,012	49.3	49,892	55,380	51	417	21,267	2,552
Haliburton	436	47.0	20,492	22,951	81	411	33,291	3,995
Halton	1,329	43.8	58,210	61,121	744	439	326,664	39,200
Hastings	3,628	49.7	180,312	206,949	962	409	393,458	47,214
Huron	3,135	48.3	151,421	158,992	2,946	437	1,286,510	154,281
Kenora	264	56.6	14,942	19,873	29	319	9,251	1,110
Kent	3,835	53.3	204,406	226,891	94	416	39,104	4,692
Lambton	2,814	51.4	144,640	160,550	202	419	84,638	10,157
Lanark	1,851	55.5	102,731	119,168	453	386	174,858	20,983
Leeds	2,311	54.8	126,643	146,906	418	383	160,094	19,211
Lennox & Add'gton	2,264	53.6	121,350	140,975	82	384	31,488	3,779
Lincoln	722	50.9	36,750	40,793	43	416	17,888	2,267
Manitoulin	634	57.0	36,138	48,064	145	324	46,980	5,638
Middlesex	5,649	54.5	307,871	341,737	1,801	420	756,420	90,770
Muskoka	905	46.8	42,354	47,436	306	412	126,072	15,129
Nipissing	1,682	57.8	97,220	129,303	325	325	105,625	12,675
Norfolk	1,624	49.0	79,576	88,329	192	418	80,256	9,631
Northumberland	3,864	48.8	188,563	211,191	1,918	411	788,298	94,596
Ontario	5,365	51.0	273,615	306,449	5,207	414	2,155,698	258,684
Oxford	1,992	50.8	101,194	112,325	4,348	419	1,821,812	218,617
Parry Sound	1,134	47.3	53,638	60,675	403	410	165,230	19,828
Peel	2,783	46.6	129,688	136,172	594	436	259,202	31,104
Perth	2,511	47.0	118,017	123,918	2,626	437	1,146,684	137,602
Peterborough	2,015	48.0	96,720	108,326	1,232	411	506,352	60,752
Prescott	2,192	54.9	120,341	138,392	253	382	96,646	11,598
Prince Edward	1,216	48.8	59,341	66,462	114	409	46,626	5,595
Rainy River	647	55.2	35,714	47,500	72	323	23,256	2,791
Renfrew	3,951	53.8	212,564	256,574	324	381	123,444	14,813
Russell	1,625	52.3	84,988	98,586	482	382	184,124	22,095
Simcoe	10,707	50.1	536,772	563,611	4,728	437	2,066,408	247,969
Stormont	1,239	53.0	65,667	76,174	76	383	29,108	3,493
Sudbury	2,436	55.0	133,980	178,193	251	326	81,826	9,819
Thunder Bay	2,111	56.3	118,849	158,069	447	327	146,169	17,540
Timiskaming	1,045	57.0	59,565	79,221	247	326	80,522	9,663
Victoria	1,859	47.3	87,931	98,483	2,364	414	978,696	117,444
Waterloo	2,658	49.0	130,242	136,754	2,897	438	1,268,899	152,268
Welland	1,567	50.9	79,760	88,534	34	415	14,110	1,693
Wellington	5,402	48.0	259,296	282,261	6,173	437	2,697,601	323,712
Wentworth	4,254	51.5	219,081	243,180	1,003	419	420,257	50,431
York	6,175	51.5	318,012	366,173	5,138	416	2,137,408	256,489
The Province:								
1939	142,108	51.0	7,247,000	8,189,000	61,982	420	26,034,000	3,124,000
1938	146,177	50.8	7,428,652	5,779,073	63,407	412	26,101,938	3,132,233

MANGELS AND SUGAR BEETS

TABLE XIV.—Showing by County Municipalities of Ontario the area, produce and market value of Mangels and Sugar Beets for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Mangels				Sugar Beets			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Tons	Market value
				$				$
Algoma	40	423	16,920	2,030	18	7.30	131	812
Brant	922	451	415,822	49,899	21	8.58	180	1,116
Bruce	1,253	451	565,103	67,812	66	9.00	594	3,683
Carleton	322	393	126,546	15,186	131	7.90	1,035	6,417
Cochrane	18	421	7,578	909	15	7.29	109	676
Dufferin	364	453	164,892	19,787	72	8.88	639	4,962
Dundas	84	386	32,424	3,891	88	7.86	692	4,290
Durham	909	428	389,052	46,686	11	8.08	89	552
Elgin	328	439	143,992	17,279	411	8.57	3,522	21,836
Essex	649	451	286,209	34,345	6,226	8.59	53,481	331,082
Frontenac	81	383	31,023	3,723	66	7.85	518	3,212
Glengarry	76	381	28,956	3,475	37	7.89	292	1,810
Grenville	65	391	25,415	3,050	43	7.90	340	2,108
Grey	1,968	449	883,632	106,006	119	8.96	1,066	6,609
Haldimand	183	436	79,788	9,575	37	8.60	318	1,972
Haliburton	15	421	6,315	758	....	....	....	....
Halton	687	456	313,272	37,593	22	8.98	198	1,228
Hastings	324	431	139,644	16,757	141	8.10	1,142	7,080
Huron	2,400	458	1,099,200	131,904	764	9.02	6,891	42,724
Kenora	17	424	7,208	865	7	7.28	51	316
Kent	343	431	147,833	17,740	22,081	8.59	189,729	1,176,221
Lambton	545	438	238,710	28,645	6,013	8.63	51,892	321,730
Lanark	162	388	62,856	10,593	45	7.93	357	2,213
Leeds	139	391	54,349	6,522	58	7.91	459	2,846
Lennox & Add'gton	114	384	43,776	5,253	39	7.88	307	1,903
Lincoln	165	429	70,785	8,494	103	8.51	877	5,437
Manitoulin	47	419	19,693	2,363	5	7.26	36	223
Middlesex	1,186	444	526,584	63,190	2,174	8.62	18,740	116,188
Muskoka	38	431	16,366	1,964	4	8.11	32	198
Nipissing	46	422	19,412	2,329	21	7.31	154	955
Norfolk	214	434	92,876	11,145	82	8.55	701	4,346
Northumberland	846	433	366,318	43,958	43	8.09	348	2,158
Ontario	3,861	434	1,675,813	201,098	27	8.10	219	1,358
Oxford	2,106	440	926,640	111,197	94	8.59	807	5,003
Parry Sound	39	404	15,756	1,891	14	8.09	113	701
Peel	596	453	269,988	32,399	22	9.03	199	1,234
Perth	2,575	457	1,176,775	141,213	29	9.01	261	1,618
Peterborough	515	431	221,965	26,636	21	8.11	170	1,054
Prescott	119	381	45,339	5,441	39	7.91	308	1,910
Prince Edward	127	429	54,483	6,538	22	8.10	178	1,104
Rainy River	43	424	18,232	2,188	16	7.32	117	725
Renfrew	202	392	79,184	9,502	57	7.90	450	2,790
Russell	78	389	30,342	3,641	21	7.80	165	1,023
Simcoe	1,699	455	773,045	92,765	186	9.04	1,681	10,422
Stormont	61	388	23,668	2,840	47	7.89	371	2,300
Sudbury	43	423	18,189	2,183	22	7.30	161	998
Thunder Bay	31	421	13,051	1,566	6	7.29	44	273
Timiskaming	32	419	13,408	1,609	17	7.31	124	769
Victoria	742	426	316,092	37,931	16	8.12	130	806
Waterloo	2,337	459	1,072,683	128,720	15	9.02	135	837
Welland	101	404	40,804	4,896	91	8.60	783	4,855
Wellington	2,348	452	1,061,296	127,056	28	9.01	252	1,562
Wentworth	1,127	438	493,626	59,235	88	8.56	753	4,669
York	2,896	442	1,281,072	150,729	81	8.14	659	4,086
The Province:								
1939	36,228	442	16,044,000	1,925,000	39,922	8.60	343,000	2,127,000
1938	35,673	435	15,503,275	1,860,393	28,206	9.80	276,447	1,796,906

ALSIKE AND SWEET CLOVER

Table XV.—Showing by County Municipalities of Ontario the area, produce and market value of Alsike and Sweet Clover for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Alsike				Sweet Clover			
	Acres	Per acre	Tons	Market value	Acres	Per acre	Tons	Market value
				$				$
Algoma	388	1.52	590	3,918	376	1.88	707	4,122
Brant	389	1.23	478	3,365	3,028	2.00	6,056	30,946
Bruce	2,016	1.59	3,205	21,185	16,597	2.17	36,015	160,711
Carleton	1,421	1.50	2,132	15,777	3,702	2.14	7,922	42,937
Cochrane	511	1.08	552	3,665	428	1.50	642	3,743
Dufferin	1,574	1.27	1,999	13,213	6,382	2.13	13,594	64,436
Dundas	875	1.62	1,418	10,493	1,596	2.12	3,384	18,341
Durham	1,363	1.06	1,445	10,158	6,489	1.51	9,798	56,143
Elgin	1,274	1.22	1,554	10,940	6,119	1.63	9,974	50,967
Essex	2,135	1.38	2,946	20,740	8,041	1.91	15,358	78,479
Frontenac	840	1.45	1,218	9,013	2,431	1.84	4,473	24,244
Glengarry	1,192	1.45	1,728	12,787	2,024	2.16	4,372	23,696
Grenville	511	1.54	787	5,824	1,635	2.29	3,744	20,292
Grey	2,534	1.19	3,015	19,929	10,427	1.84	19,186	90,942
Haldimand	6,378	1.02	6,506	45,802	2,986	1.56	4,658	23,802
Haliburton	125	1.08	138	970	268	1.14	306	1,753
Halton	2,446	0.69	1,688	11,158	1,043	1.50	1,565	7,418
Hastings	1,823	1.25	2,279	16,021	7,171	1.89	13,553	80,659
Huron	1,522	1.51	2,298	15,189	13,185	2.33	30,738	142,698
Kenora	737	1.19	877	5,823	72	1.37	99	577
Kent	1,911	1.45	2,771	19,508	6,563	2.25	14,767	75,459
Lambton	2,455	1.30	3,192	22,472	6,007	2.61	15,678	80,115
Lanark	1,284	1.53	1,965	14,541	4,152	2.25	9,342	50,634
Leeds	634	1.36	862	6,379	2,671	2.29	6,117	33,154
Lennox & Add'gton	885	1.06	938	6,941	4,018	2.03	8,158	44,211
Lincoln	1,429	1.07	1,529	10,764	1,118	2.29	2,560	13,082
Manitoulin	267	1.51	403	2,676	2,996	2.33	6,981	40,699
Middlesex	2,503	1.43	3,579	25,196	7,685	2.00	15,370	78,541
Muskoka	48	1.37	66	464	244	1.50	366	2,097
Nipissing	411	1.28	526	3,493	675	1.66	1,121	6,535
Norfolk	1,613	1.27	2,049	14,425	4,305	2.14	9,213	47,078
Northumberland	1,831	1.55	2,838	19,951	10,005	2.14	21,411	132,685
Ontario	1,764	1.38	2,434	17,111	7,258	2.27	16,476	94,407
Oxford	709	1.50	1,064	7,491	5,191	2.41	12,510	63,926
Parry Sound	349	1.39	485	3,450	196	1.72	337	1,931
Peel	3,301	1.05	3,452	22,818	3,304	1.95	6,443	30,540
Perth	1,595	1.38	2,201	14,549	9,488	2.33	22,107	104,787
Peterborough	723	1.62	1,171	8,232	6,034	2.00	12,068	69,150
Prescott	1,369	1.29	1,766	13,068	1,562	1.89	2,952	16,381
Prince Edward	617	1.52	938	6,594	7,452	1.87	13,935	79,848
Rainy River	1,214	1.36	1,651	10,963	564	1.93	1,089	6,349
Renfrew	1,548	1.41	2,183	16,154	4,347	2.02	8,781	47,593
Russell	1,634	1.56	2,549	18,863	1,869	2.00	3,738	20,260
Simcoe	6,824	1.51	10,304	68,109	13,872	2.62	36,345	172,275
Stormont	981	1.49	1,462	10,819	1,393	2.36	3,287	17,816
Sudbury	882	1.12	988	6,560	1,119	1.42	1,589	9,264
Thunder Bay	517	1.39	719	4,774	502	1.79	899	5,241
Timiskaming	1,429	1.52	2,172	14,422	607	2.03	1,232	7,183
Victoria	4,344	1.31	5,691	40,440	4,745	1.98	9,395	53,833
Waterloo	277	1.58	438	2,895	4,438	2.12	9,409	44,599
Welland	744	1.02	759	5,343	1,523	1.51	2,300	11,753
Wellington	1,356	1.24	1,681	11,111	11,119	2.16	24,017	113,841
Wentworth	1,459	1.20	1,751	12,327	2,567	2.34	6,007	30,696
York	3,336	1.37	4,570	32,127	5,781	2.57	14,857	85,131
The Province:								
1939	82,297	1.31	108,000	751,000	239,370	2.12	507,000	2,618,000
1938	95,405	1.37	130,834	779,778	233,594	2.12	496,328	2,451,863

ALFALFA AND HAY AND CLOVER

TABLE XVI.—Showing by County Municipalities of Ontario the area, produce and market value of Alfalfa, Hay and Clover for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Alfalfa				Hay and Clover			
	Acres	Per acre	Tons	Market value	Acres	Per acre	Tons	Market value
				$				$
Algoma	817	2.50	2,043	14,199	26,953	1.76	47,437	331,110
Brant	12,191	2.43	29,624	250,027	18,566	1.61	29,891	246,003
Bruce	29,176	2.35	68,564	468,292	88,753	1.72	152,655	1,012,103
Carleton	12,484	2.57	32,084	265,335	85,276	1.86	158,613	1,215,595
Cochrane	155	2.00	310	2,155	11,310	1.38	15,608	108,944
Dufferin	6,592	2.35	15,491	105,804	48,028	1.70	81,648	541,326
Dundas	6,291	2.21	13,903	114,978	47,004	1.85	86,957	677,395
Durham	8,172	2.53	20,675	177,805	38,955	1.60	62,328	549,733
Elgin	15,969	1.99	31,778	268,206	41,788	1.53	63,768	524,811
Essex	16,184	2.75	44,506	375,631	16,965	1.68	28,501	234,563
Frontenac	8,656	2.00	17,312	143,170	72,225	1.50	108,338	843,953
Glengarry	4,432	2.38	10,548	87,232	54,409	1.68	91,407	712,061
Grenville	3,171	2.50	7,928	65,565	48,669	1.58	76,897	599,028
Grey	46,859	2.25	105,433	720,107	116,525	1.92	223,728	1,483,317
Haldimand	31,963	1.90	60,730	512,561	26,589	1.43	38,097	313,538
Haliburton	110	1.48	163	1,402	9,276	1.18	10,946	96,544
Halton	18,921	2.21	41,747	285,132	21,777	1.68	36,585	242,559
Hastings	27,224	2.17	59,076	502,054	59,847	1.53	91,566	807,612
Huron	25,754	2.28	58,719	401,051	89,956	1.88	169,117	1,121,246
Kenora	152	1.75	266	1,849	5,778	1.35	7,800	54,444
Kent	23,973	2.92	70,001	590,808	23,310	1.86	43,357	356,828
Lambton	31,224	2.44	78,627	663,612	41,885	1.63	68,273	561,887
Lanark	13,831	2.37	32,779	271,082	62,467	1.65	103,071	802,923
Leeds	7,224	2.49	17,988	148,761	67,033	1.56	104,571	814,608
Lennox & Add'gton	14,365	2.14	30,741	254,228	56,131	1.38	77,461	603,421
Lincoln	17,438	2.45	42,723	360,582	18,549	1.38	25,598	210,672
Manitoulin	2,835	2.29	6,492	45,119	20,027	1.68	33,645	234,842
Middlesex	26,751	2.55	68,215	575,735	70,727	1.62	114,578	942,977
Muskoka	114	1.89	215	1,849	25,328	1.58	40,018	352,959
Nipissing	277	2.06	576	3,968	28,394	1.56	44,295	309,179
Norfolk	12,318	2.28	28,085	237,037	23,366	1.50	35,049	288,453
Northumberland	13,180	2.65	34,927	300,372	43,861	1.79	78,511	692,467
Ontario	15,812	2.72	43,009	369,602	50,719	2.01	101,945	899,155
Oxford	15,681	2.31	36,223	305,722	55,264	2.07	114,396	941,479
Parry Sound	124	1.71	212	1,823	31,544	1.57	49,524	436,802
Peel	26,558	1.95	51,788	353,712	25,804	1.58	40,770	270,305
Perth	12,769	2.51	32,050	218,901	76,227	1.92	146,356	970,340
Peterborough	7,214	2.43	17,530	150,758	35,833	1.88	67,366	594,168
Prescott	1,438	2.17	3,120	25,802	59,210	1.53	90,591	705,704
Prince Edward	7,472	2.45	18,306	157,432	24,643	1.64	40,415	356,460
Rainy River	6,246	2.35	14,678	102,012	17,923	1.57	28,139	196,410
Renfrew	14,821	2.52	37,349	308,876	81,187	1.66	134,770	1,042,858
Russell	1,894	2.55	4,830	39,944	43,629	1.75	76,350	594,767
Simcoe	21,998	2.41	53,015	362,092	84,872	1.78	151,072	1,001,082
Stormont	3,255	2.63	8,561	70,799	45,748	1.75	80,059	623,670
Sudbury	168	2.26	380	2,641	26,929	1.69	45,510	317,660
Thunder Bay	1,387	2.06	2,857	19,856	23,648	1.52	35,945	250,896
Timiskaming	286	2.25	644	4,476	27,859	1.78	49,589	346,131
Victoria	8,965	2.11	18,916	162,678	44,427	1.60	71,083	626,952
Waterloo	10,645	2.57	27,358	186,855	38,216	2.11	80,636	534,617
Welland	9,117	1.67	15,220	128,499	30,978	1.22	37,793	311,036
Wellington	19,782	1.91	37,784	258,065	93,526	1.73	161,800	1,072,734
Wentworth	14,709	2.38	35,007	295,459	25,932	1.52	39,417	324,402
York	33,578	2.29	76,894	661,288	46,304	1.58	73,160	645,271
The Province:								
1939	672,722	2.33	1,568,000	12,403,000	2,400,149	1.69	4,067,000	30,950,000
1938	643,075	2.38	1,527,824	11,076,733	2,440,625	1.71	4,169,076	28,850,043

ALL FIELD CROPS

Table XVII.—Showing by County Municipalities of Ontario the area, produce and market value of all Field Crops enumerated in Tables VII to XVI for the year 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	All Field Crops		
	Acres	Value	Per Acre
		$	$ c.
Algoma	48,540	706,250	14.55
Brant	124,379	2,140,896	17.21
Bruce	319,946	4,892,239	15.29
Carleton	238,422	4,221,321	17.71
Cochrane	20,462	273,289	13.36
Dufferin	162,796	2,445,415	15.02
Dundas	121,132	1,984,578	16.38
Durham	177,804	2,750,677	15.47
Elgin	198,217	3,454,590	17.43
Essex	245,093	4,720,557	19.26
Frontenac	136,589	1,864,380	13.65
Glengarry	129,043	1,929,635	14.95
Grenville	103,848	1,547,931	14.91
Grey	426,790	6,418,196	15.04
Haldimand	149,306	2,123,899	14.23
Haliburton	18,573	206,972	11.14
Halton	109,666	1,701,954	15.52
Hastings	231,987	3,409,281	14.70
Huron	399,828	6,980,843	17.46
Kenora	10,942	137,469	12.56
Kent	337,243	8,101,896	26.99
Lambton	299,700	5,423,477	18.10
Lanark	159,178	2,426,999	15.25
Leeds	152,476	2,270,880	14.89
Lennox and Addington	147,472	1,956,604	13.27
Lincoln	83,218	1,252,744	15.05
Manitoulin	40,948	596,861	12.06
Middlesex	356,929	6,621,522	18.55
Muskoka	39,375	581,504	14.77
Nipissing	55,462	786,607	14.18
Norfolk	120,668	1,944,606	16.12
Northumberland	210,624	3,328,813	15.80
Ontario	243,088	4,636,834	19.07
Oxford	262,706	5,180,170	19.72
Parry Sound	55,872	801,695	14.35
Peel	156,783	2,295,757	14.64
Perth	300,888	5,299,799	17.61
Peterborough	131,979	2,100,034	15.91
Prescott	141,993	2,063,763	14.53
Prince Edward	104,077	1,505,135	14.46
Rainy River	40,675	568,352	13.97
Renfrew	228,313	3,359,831	14.72
Russell	107,606	1,621,846	15.07
Simcoe	416,632	6,670,124	16.01
Stormont	103,109	1,611,456	15.63
Sudbury	53,494	794,476	14.85
Thunder Bay	38,169	585,261	15.33
Timiskaming	55,169	774,002	14.03
Victoria	185,078	2,773,081	14.98
Waterloo	189,655	3,478,531	18.34
Welland	101,556	1,280,179	12.61
Wellington	360,182	5,794,396	16.09
Wentworth	135,676	2,338,362	17.23
York	296,402	5,552,031	18.73
The Province:			
1939	9,085,758	150,288,000	16.54
1938	9,088,014	126,158,324	13.88

PASTURE, FALLOW, ORCHARD, SMALL FRUITS

Table XVIII.—Showing by County Municipalities the area in Cleared Pasture, Summer Fallow, Orchards and Small Fruits in 1939, together with the comparative totals for the Province for 1938.

Counties and Districts	Cleared pasture	Summer fallow	Orchard	Small fruits	Total
	Acres	Acres	Acres	Acres	Acres
Algoma	10,282	1,154	263	154	11,853
Brant	24,453	2,534	2,942	575	30,504
Bruce	120,584	13,407	5,732	339	140,062
Carleton	78,869	685	1,236	358	81,148
Cochrane	3,754	81	1	23	3,859
Dufferin	50,015	3,307	1,715	136	55,173
Dundas	40,257	114	1,604	264	42,239
Durham	56,975	3,736	7,248	340	68,299
Elgin	68,172	2,086	5,007	760	76,025
Essex	28,650	1,077	5,271	1,987	36,985
Frontenac	72,665	525	867	265	74,322
Glengarry	43,577	82	871	153	44,683
Grenville	44,125	165	918	255	45,463
Grey	128,645	10,563	8,582	494	148,284
Haldimand	28,604	5,892	3,295	310	38,101
Haliburton	9,421	168	68	34	9,691
Halton	23,638	4,285	4,851	761	33,535
Hastings	88,792	1,701	2,934	495	93,922
Huron	137,665	10,129	9,598	592	157,984
Kenora	1,411	76	1	9	1,497
Kent	59,546	1,063	5,409	978	66,996
Lambton	121,610	3,814	8,845	738	135,007
Lanark	105,555	457	1,073	270	107,355
Leeds	95,642	376	1,024	252	97,294
Lennox and Addington	62,600	1,558	1,206	408	65,772
Lincoln	15,525	3,068	15,354	11,786	45,733
Manitoulin	11,645	148	167	38	11,998
Middlesex	161,956	7,272	9,381	1,129	179,738
Muskoka	15,427	198	154	75	15,854
Nipissing	10,678	251	24	87	11,040
Norfolk	32,726	3,270	5,949	1,988	43,933
Northumberland	63,496	2,447	8,962	780	75,685
Ontario	60,035	3,388	4,454	414	68,291
Oxford	66,823	2,563	6,125	477	75,988
Parry Sound	18,729	595	67	95	19,486
Peel	40,773	6,706	5,324	699	53,502
Perth	77,091	10,908	4,839	321	93,159
Peterborough	54,235	4,499	1,396	284	60,414
Prescott	53,814	78	453	150	54,495
Prince Edward	36,679	1,159	3,742	484	42,064
Rainy River	7,317	569	12	44	7,942
Renfrew	83,541	1,931	802	289	86,563
Russell	33,827	155	497	232	34,711
Simcoe	88,225	30,739	6,257	908	126,129
Stormont	42,276	195	798	193	43,462
Sudbury	10,445	227	21	92	10,785
Thunder Bay	4,768	169	18	116	5,071
Timiskaming	9,445	426	6	44	9,921
Victoria	57,514	2,611	1,088	203	61,416
Waterloo	23,066	4,667	3,610	291	31,634
Welland	21,117	7,348	5,278	2,013	35,756
Wellington	72,264	9,228	4,138	297	85,927
Wentworth	23,260	2,974	6,986	2,801	36,021
York	47,258	11,293	5,767	600	64,918
The Province:					
1939	2,749,462	188,117	182,230	*37,880	3,157,689
1938	2,793,291	190,542	184,083	*37,751	3,205,667

---

*Including 9,261 acres in strawberries and 14,898 in vineyards in 1939; and 9,145 acres in strawberries, and 14,774 in vineyards in 1938.

HORSES ON HAND

TABLE XIX.—Showing by County Municipalities the number and value of Horses on hand, June 15th, 1939, together with the totals for the Province for the past three years.

Counties and Districts	Stallions, 2 yrs. old and over	Mares, 2 yrs. old and over	Geldings, 2 yrs. old and over	Colts and Fillies, under 2 years	Total Horses	
					Number	Value
						$
Algoma	13	1,622	1,858	198	3,691	467,538
Brant	33	3,746	3,375	636	7,790	888,684
Bruce	73	9,517	7,579	2,728	19,897	2,424,772
Carleton	45	6,605	5,621	1,578	13,849	1,620,512
Cochrane	11	1,487	2,004	97	3,599	454,048
Dufferin	36	5,204	4,228	1,387	10,855	1,161,885
Dundas	24	3,841	3,337	816	8,018	937,491
Durham	40	5,248	4,165	1,101	10,554	1,150,686
Elgin	39	5,914	5,392	1,324	12,669	1,448,904
Essex	50	7,228	5,764	1,569	14,611	1,742,408
Frontenac	24	4,338	3,876	792	9,030	1,006,344
Glengarry	26	3,384	3,227	823	7,460	858,091
Grenville	12	2,992	2,725	556	6,285	695,004
Grey	66	12,411	10,157	2,744	25,378	2,815,726
Haldimand	24	4,148	3,511	881	8,564	983,096
Haliburton	7	618	577	90	1,292	131,081
Halton	23	2,921	2,634	532	6,110	696,835
Hastings	38	6,545	6,182	1,274	14,039	1,578,630
Huron	76	11,429	9,367	2,975	23,847	2,609,747
Kenora	5	514	674	36	1,229	158,473
Kent	60	9,362	8,075	2,144	19,641	2,213,004
Lambton	61	8,156	6,864	2,038	17,119	1,880,759
Lanark	35	4,352	3,718	1,014	9,119	1,000,417
Leeds	29	4,510	4,229	957	9,725	1,136,265
Lennox and Addington	34	3,968	3,835	803	8,640	930,449
Lincoln	13	2,731	2,557	326	5,627	621,014
Manitoulin	9	1,256	911	332	2,508	310,870
Middlesex	107	11,567	9,189	2,753	23,616	2,557,273
Muskoka	12	1,252	1,079	157	2,500	286,242
Nipissing	22	1,319	1,352	244	2,937	366,137
Norfolk	15	4,955	4,269	820	10,059	1,179,695
Northumberland	37	6,256	5,579	1,178	13,050	1,498,539
Ontario	45	7,242	5,745	1,238	14,270	1,669,011
Oxford	36	8,128	6,947	1,374	16,485	1,901,943
Parry Sound	22	1,827	1,685	187	3,721	417,080
Peel	45	4,672	3,498	996	9,211	1,020,947
Perth	75	9,230	7,604	2,519	19,428	2,096,155
Peterborough	28	4,163	3,837	821	8,849	1,017,911
Prescott	34	3,672	2,658	849	7,213	840,795
Prince Edward	14	3,562	2,755	511	6,842	777,407
Rainy River	13	1,165	1,168	173	2,519	285,330
Renfrew	60	6,586	5,442	1,378	13,466	1,577,782
Russell	31	2,994	1,957	826	5,808	677,844
Simcoe	78	13,121	11,123	2,767	27,089	3,008,399
Stormont	18	3,024	2,981	560	6,583	762,032
Sudbury	20	1,514	1,721	186	3,441	440,167
Thunder Bay	19	936	1,508	69	2,532	301,652
Timiskaming	15	1,654	1,769	186	3,624	475,977
Victoria	41	5,058	4,127	961	10,187	1,134,447
Waterloo	56	6,149	5,338	1,485	13,028	1,418,947
Welland	13	2,686	2,523	362	5,584	640,395
Wellington	66	9,795	8,624	1,971	20,456	2,317,296
Wentworth	22	4,338	3,951	635	8,946	1,070,851
York	83	8,201	7,226	1,368	16,878	1,831,760
The Province:						
1939	1,933	269,113	232,097	56,325	559,468	63,494,747
1938	1,898	270,069	233,812	54,932	560,711	54,709,549
1937	1,857	269,196	234,442	52,350	557,845	57,286,273

CATTLE ON HAND

TABLE XX.—Showing by County Municipalities the number of Cattle on hand, June 15th, 1939, together with the totals for the Province for the past three years.

Counties and Districts	Bulls for breeding	Cows for milk purposes	Cows for beef purposes	Yearlings for milk purposes	Yearlings for beef purposes	Calves	All other cattle
Algoma	371	9,722	342	1,697	1,368	4,426	612
Brant	795	15,666	651	3,995	1,985	6,189	976
Bruce	1,341	35,706	3,814	5,512	20,741	23,228	11,116
Carleton	2,115	41,838	2,041	9,697	4,288	16,675	3,273
Cochrane	425	3,538	176	1,028	167	2,165	54
Dufferin	564	15,145	1,832	2,684	8,455	10,762	3,218
Dundas	1,631	26,103	682	5,648	95	7,356	65
Durham	678	16,534	2,139	3,502	4,445	9,123	1,987
Elgin	1,321	26,754	1,347	6,324	3,782	12,237	2,761
Essex	645	17,328	1,162	3,064	821	5,376	348
Frontenac	1,752	30,265	1,023	5,624	1,806	10,207	1,127
Glengarry	1,878	28,663	739	6,428	215	8,222	119
Grenville	1,141	17,692	426	3,989	131	5,857	37
Grey	1,667	44,178	4,752	7,228	22,621	30,629	9,637
Haldimand	733	14,711	516	3,804	2,356	6,883	981
Haliburton	163	3,621	162	491	838	2,458	311
Halton	775	13,688	863	3,609	1,680	6,412	1,087
Hastings	2,436	42,224	1,433	9,104	1,821	17,236	893
Huron	1,669	40,101	5,024	7,735	21,019	28,018	10,195
Kenora	83	1,439	29	241	64	505	10
Kent	685	19,627	2,784	4,429	6,030	11,614	4,728
Lambton	1,049	27,596	2,786	4,724	14,832	17,992	8,321
Lanark	1,146	25,481	2,282	5,627	7,248	13,362	4,148
Leeds	1,976	38,864	658	8,836	479	10,647	211
Lennox and Addington	1,201	25,207	611	5,142	1,720	9,648	899
Lincoln	419	8,468	371	1,632	428	3,174	149
Manitoulin	211	5,304	362	745	3,061	4,174	1,286
Middlesex	1,945	49,622	3,778	10,645	13,175	24,663	9,698
Muskoka	269	6,995	485	1,239	906	3,625	367
Nipissing	858	8,352	577	2,091	882	5,068	270
Norfolk	832	17,112	511	3,479	606	5,289	243
Northumberland	1,405	25,116	1,772	6,288	2,946	11,217	1,329
Ontario	1,212	24,258	2,835	5,614	7,100	14,786	3,615
Oxford	2,453	47,135	1,286	10,418	3,341	16,336	2,438
Parry Sound	436	10,267	526	1,753	2,315	6,182	745
Peel	1,029	21,222	867	4,609	2,155	7,625	1,242
Perth	1,811	38,106	1,924	8,785	10,549	20,593	3,769
Peterborough	944	19,141	923	4,187	4,194	9,964	1,873
Prescott	1,855	26,539	616	5,921	301	8,654	142
Prince Edward	814	15,147	442	2,996	212	5,249	73
Rainy River	253	4,339	273	997	743	2,511	241
Renfrew	2,039	30,644	2,863	6,514	9,689	20,173	5,017
Russell	1,604	21,918	582	4,923	485	8,635	187
Simcoe	1,441	41,687	3,138	9,112	14,840	23,548	6,073
Stormont	1,722	26,537	561	4,727	123	7,962	85
Sudbury	776	8,721	639	1,896	486	4,852	134
Thunder Bay	241	4,832	119	1,315	95	2,433	25
Timiskaming	533	7,070	402	1,807	833	3,907	146
Victoria	742	19,202	1,928	4,036	8,491	12,111	5,624
Waterloo	1,132	20,342	786	4,375	4,401	11,596	1,536
Welland	442	10,446	323	1,911	537	2,843	208
Wellington	1,483	32,881	3,217	5,769	14,644	22,218	5,164
Wentworth	902	16,957	728	3,610	1,119	5,722	501
York	1,515	32,827	2,049	6,673	2,555	10,966	1,403
The Province:							
1939	59,558	*1,182,878	73,157	248,229	240,219	563,303	120,697
1938	59,380	*1,174,429	74,488	247,049	247,768	562,267	126,877
1937	59,027	*1,175,862	70,963	241,705	236,620	558,086	110,818

*Including dual purpose cows.

TOTAL CATTLE AND SHEEP AND LAMBS ON HAND

TABLE XXI.—Showing by County Municipalities the number and value of Cattle on hand, June 15th, 1939, together with the totals for the Province for the past three years.

Counties and Districts	Total Cattle		Sheep and Lambs		
	Number	Value	Ewes for breeding	1 year and over	Under 1 year
		$			
Algoma	18,538	588,586	3,748	763	4,369
Brant	30,257	1,134,514	2,657	543	2,802
Bruce	101,458	3,582,014	17,902	3,068	21,447
Carleton	79,927	2,726,145	9,181	1,623	10,517
Cochrane	7,553	246,985	476	87	562
Dufferin	42,660	1,528,586	13,543	2,594	14,576
Dundas	41,580	1,448,992	1,062	227	1,274
Durham	38,408	1,385,555	8,926	1,652	10,214
Elgin	54,526	2,011,260	6,467	1,386	8,104
Essex	28,744	1,155,606	4,038	839	4,511
Frontenac	51,804	1,696,288	5,657	1,072	6,435
Glengarry	46,264	1,707,217	1,527	286	1,646
Grenville	29,273	1,090,589	3,889	764	4,610
Grey	120,712	4,455,795	31,419	6,282	39,062
Haldimand	29,984	1,198,809	4,971	912	5,897
Haliburton	8,044	219,288	1,782	324	1,945
Halton	28,114	1,152,732	3,829	761	4,175
Hastings	75,147	2,265,893	9,924	2,141	11,800
Huron	113,761	4,143,844	10,317	1,914	12,214
Kenora	2,371	76,650	359	72	443
Kent	49,897	1,922,204	6,084	1,146	7,525
Lambton	77,300	2,805,996	13,408	2,684	14,407
Lanark	59,294	1,704,255	13,962	2,371	15,877
Leeds	61,671	2,276,930	5,529	933	6,042
Lennox and Addington	44,428	1,439,433	3,723	719	4,195
Lincoln	14,641	610,990	2,265	423	2,611
Manitoulin	15,143	466,215	8,356	1,642	9,565
Middlesex	113,526	4,483,233	11,959	2,038	14,387
Muskoka	13,886	422,999	2,172	469	2,318
Nipissing	18,098	536,831	3,418	652	3,709
Norfolk	28,072	1,052,540	2,214	457	2,702
Northumberland	50,073	1,942,005	5,336	971	5,848
Ontario	59,420	2,417,041	12,897	2,532	15,441
Oxford	83,407	3,579,912	3,434	632	3,958
Parry Sound	22,224	679,182	5,824	1,046	6,205
Peel	38,749	1,833,180	4,592	818	5,286
Perth	85,537	3,323,896	4,162	805	5,047
Peterborough	41,226	1,550,265	5,624	1,091	6,479
Prescott	44 028	1,350,234	1,609	146	1,742
Prince Edward	24,933	977,180	2,546	529	2,968
Rainy River	9,357	283,551	3,590	562	3,996
Renfrew	76,939	2,343,522	26,102	4,549	28,227
Russell	38,334	1,205,434	1,796	401	1,985
Simcoe	99,839	3,802,735	20,533	3,869	22,224
Stormont	41,717	1,500,735	1,182	235	1,238
Sudbury	17,504	588,178	1,937	382	2,037
Thunder Bay	9,060	315,350	548	100	610
Timiskaming	14,698	477,436	3,481	687	3,718
Victoria	52,134	1,863,222	12,324	2,102	14,586
Waterloo	44,168	1,751,343	1,764	345	2,015
Welland	16,710	659,283	1,381	293	1,605
Wellington	85,376	3,030,119	14,737	2,618	17,355
Wentworth	29,539	1,277,291	2,216	451	2,714
York	57,988	2,617,039	10,205	1,684	11,411
The Province:					
1939	2,488,041	90,905,107	362,584	67,692	416,636
1938	2,492,258	88,251,957	367,487	69,908	421,677
1937	2,453,081	93,360,874	375,619	70,810	433,340

TOTAL SHEEP AND SWINE ON HAND

TABLE XXII.—Showing by County Municipalities the number and value of Swine on hand, June 15th, 1939, together with the totals for the Province for the past three years.

Counties and Districts	Total Sheep and Lambs		Swine		Total Swine	
	Number	Value	Six months and over	Under six months	Number	Value
		$				$
Algoma	8,880	53,368	855	2,647	3,502	37,585
Brant	6,002	43,826	4,517	12,628	17,145	188,994
Bruce	42,417	291,870	13,765	38,234	51,999	557,081
Carleton	21,321	142,245	6,136	20,437	26,573	258,915
Cochrane	1,125	6,814	648	2,133	2,781	30,556
Dufferin	30,713	213,928	7,981	23,277	31,258	326,701
Dundas	2,563	16,889	5,471	13,265	18,736	207,743
Durham	20,792	130,057	6,128	16,627	22,755	239,428
Elgin	15,957	109,034	11,399	27,585	38,984	435,999
Essex	9,388	65,973	19,912	34,950	54,862	659,822
Frontenac	13,164	85,639	3,974	11,942	15,916	172,810
Glengarry	3,459	22,398	4,853	14,111	18,964	206,695
Grenville	9,263	56,366	2,624	9,601	12,225	127,657
Grey	76,763	543,003	19,946	49,428	69,374	771,914
Haldimand	11,780	81,292	5,035	13,273	18,308	215,152
Haliburton	4,051	26,242	485	1,239	1,724	17,134
Halton	8,765	62,855	3,927	10,301	14,228	158,953
Hastings	23,865	150,586	11,315	33,237	44,552	466,950
Huron	24,445	171,543	21,179	59,794	80,973	874,869
Kenora	874	5,131	242	671	913	10,287
Kent	14,755	101,120	39,646	62,638	102,284	1,232,577
Lambton	30,499	210,304	14,931	40,024	54,955	618,525
Lanark	32,210	208,713	3,075	13,384	16,459	161,934
Leeds	12,504	78,249	4,565	15,228	19,793	198,444
Lennox and Addington	8,637	57,343	4,019	16,241	20,260	203,358
Lincoln	5,299	38,411	2,165	6,349	8,514	100,366
Manitoulin	19,563	115,824	987	2,765	3,752	42,069
Middlesex	28,384	208,753	18,222	46,676	64,898	783,957
Muskoka	4,959	29,892	534	1,488	2,022	20,562
Nipissing	7,779	45,020	1,543	5,351	6,894	72,850
Norfolk	5,373	37,605	4,126	10,858	14,984	171,621
Northumberland	12,155	79,863	9,129	29,304	38,433	419,933
Ontario	30,870	198,274	11,723	28,123	39,846	420,048
Oxford	8,024	58,249	13,583	36,927	50,510	580,550
Parry Sound	13,075	82,361	971	3,070	4,041	41,125
Peel	10,696	77,992	5,702	15,156	20,858	220,107
Perth	10,014	69,758	19,943	57,854	77,797	858,777
Peterborough	13,194	87,952	4,777	12,925	17,702	199,211
Prescott	3,497	23,658	5,464	17,019	22,483	236,441
Prince Edward	6,043	37,148	3,728	10,421	14,149	156,979
Rainy River	8,148	47,164	618	1,475	2,093	23,669
Renfrew	58,878	366,949	5,733	18,926	24,659	261,316
Russell	4,182	26,594	4,574	14,183	18,757	186,987
Simcoe	46,626	322,054	23,855	56,569	80,424	938,069
Stormont	2,655	16,487	4,129	15,382	19,511	196,305
Sudbury	4,356	26,851	1,849	4,410	6,259	71,493
Thunder Bay	1,258	7,298	612	1,684	2,296	25,438
Timiskaming	7,886	45,468	1,229	3,176	4,405	47,311
Victoria	29,012	189,884	6,733	21,245	27,978	284,033
Waterloo	4,124	28,108	15,328	42,685	58,013	609,363
Welland	3,279	21,941	2,762	6,394	9,156	109,887
Wellington	34,710	238,220	18,111	55,924	74,035	774,078
Wentworth	5,381	38,611	4,585	13,801	18,386	214,891
York	23,300	165,438	15,758	37,959	53,717	619,438
The Province:						
1939	846,912	5,666,615	425,101	1,120,994	1,546,095	17,066,957
1938	858,262	5,805,219	390,535	1,039,744	1,430,309	18,751,968
1937	874,769	6,088,540	375,860	1,082,026	1,457,886	15,462,386

POULTRY ON HAND

TABLE XXIII.—Showing by County Municipalities the number and value of Poultry on hand, June 15th, 1939, together with the totals for the Province for the past three years.

Counties and Districts	Turkeys	Geese	Ducks	Other Fowls	Total Poultry	
					Number	Value $
Algoma	3,440	2,401	1,025	118,063	124,929	83,489
Brant	1,199	4,946	4,080	318,119	328,344	218,057
Bruce	18,241	14,250	12,872	594,610	639,973	433,952
Carleton	16,206	12,992	7,968	544,134	581,300	358,990
Cochrane	757	383	322	88,368	89,830	62,973
Dufferin	1,427	15,367	4,689	287,761	309,244	192,450
Dundas	9,150	7,544	5,888	382,492	405,074	240,862
Durham	3,330	11,269	6,443	438,475	459,517	271,465
Elgin	11,887	7,419	7,293	567,138	593,737	398,706
Essex	9,489	11,015	16,556	887,677	924,737	552,878
Frontenac	22,097	3,419	3,913	241,751	271,180	184,506
Glengarry	16,236	1,598	1,631	234,780	254,245	168,905
Grenville	7,306	3,221	2,876	224,407	237,810	147,668
Grey	9,568	25,423	12,730	745,591	793,312	525,536
Haldimand	9,641	5,228	5,538	470,362	490,769	302,856
Haliburton	1,330	507	158	25,861	27,856	17,864
Halton	3,540	6,124	4,928	262,261	276,853	174,415
Hastings	11,724	7,763	4,036	456,673	480,196	287,712
Huron	7,721	23,283	23,225	1,101,576	1,155,805	719,229
Kenora	507	177	195	21,184	22,063	14,697
Kent	11,405	12,536	23,461	911,183	958,585	583,953
Lambton	36,330	19,110	17,850	956,266	1,029,556	649,537
Lanark	17,304	3,973	2,164	288,784	312,225	198,134
Leeds	19,345	4,031	4,355	289,979	317,710	200,098
Lennox and Addington	6,437	3,653	3,788	298,511	312,389	187,397
Lincoln	6,515	2,488	5,149	279,665	293,817	188,119
Manitoulin	10,795	1,744	523	62,901	75,963	60,422
Middlesex	40,864	20,066	20,505	1,037,514	1,118,949	725,204
Muskoka	1,281	645	640	75,287	77,853	51,604
Nipissing	897	1,101	352	74,157	76,507	49,748
Norfolk	8,069	4,236	4,144	429,531	445,980	294,791
Northumberland	4,706	7,462	4,820	564,541	581,529	345,647
Ontario	8,245	14,400	8,446	530,892	561,983	363,873
Oxford	1,763	9,436	11,837	795,225	818,261	518,846
Parry Sound	2,148	2,161	957	77,945	83,211	59,183
Peel	4,950	11,760	8,845	420,917	446,472	276,806
Perth	1,973	18,564	14,494	710,609	745,640	485,309
Peterborough	13,269	6,970	3,169	283,585	306,993	199,093
Prescott	7,664	3,288	1,823	220,382	233,157	144,112
Prince Edward	2,953	2,385	3,380	225,340	234,058	144,541
Rainy River	6,122	696	664	59,324	66,806	45,761
Renfrew	16,743	8,522	2,582	319,116	346,963	227,005
Russell	1,446	6,644	1,702	218,800	228,592	135,323
Simcoe	17,678	25,330	17,851	793,304	854,163	556,745
Stormont	9,137	2,912	2,965	359,459	374,473	231,617
Sudbury	1,096	676	355	100,393	102,520	67,623
Thunder Bay	1,677	1,157	420	192,477	195,731	140,401
Timiskaming	1,068	1,345	864	85,156	88,433	59,838
Victoria	10,893	12,325	4,029	346,583	373,830	231,728
Waterloo	683	7,007	4,819	481,140	493,649	311,039
Welland	4,068	2,635	4,904	322,905	334,512	206,059
Wellington	1,550	23,693	9,291	654,131	688,665	424,142
Wentworth	2,485	5,505	4,202	411,138	423,330	262,354
York	6,170	18,893	17,596	729,729	772,388	464,988
The Province:						
1939	452,525	431,678	339,312	21,618,152	22,841,667	14,448,250
1938	445,824	441,459	343,848	21,188,916	22,420,047	13,698,332
1937	425,428	446,198	350,254	21,314,261	22,536,141	13,989,813

PART II—CHATTEL MORTGAGES

Table showing by County Municipalities of Ontario the total number and amount of Chattel Mortgages on record and undischarged on December 31st, for the years 1937, 1938 and 1939, together with totals for the Province for all occupations as well as for "farmers," as far as given in the records.

Counties and Districts	1939		1938		1937	
	No.	Amount	No.	Amount	No.	Amount
		$		$		$
Algoma	187	235,177	151	236,659	130	211,368
Brant	583	414,025	508	802,503	403	375,812
Bruce	377	366,748	396	432,957	407	480,680
Carleton	4,123	2,069,885	3,880	2,169,709	4,260	2,123,077
Cochrane	385	648,299	328	426,218	278	378,093
Dufferin	171	309,952	168	323,995	188	354,909
Elgin	398	681,718	442	621,815	412	672,543
Essex	2,570	2,861,732	2,225	3,563,126	1,828	2,625,170
Frontenac	556	370,395	411	319,218	302	286,630
Grey	570	895,287	583	890,065	563	870,195
Haldimand	183	211,076	169	225,549	186	271,284
Halton	367	540,270	451	696,254	311	398,833
Hastings	745	797,266	559	827,691	523	677,076
Huron	431	739,866	429	771,959	443	779,743
Kenora	134	361,213	144	174,505	115	156,115
Kent	946	1,663,727	819	1,866,624	751	1,924,680
Lambton	481	444,537	354	514,842	348	488,646
Lanark	237	332,499	241	348,921	241	348,922
Leeds and Grenville	207	461,058	229	190,442	364	522,369
Lennox and Addington	184	430,933	156	656,642	150	549,102
Lincoln	575	542,576	501	455,143	471	499,311
Manitoulin	98	97,086	84	85,563	72	77,118
Middlesex	1,805	1,013,501	1,771	1,042,839	1,782	1,042,928
Muskoka	174	352,299	165	256,243	141	232,535
Nipissing	236	454,213	128	149,383	256	324,934
Norfolk	517	393,219	392	368,455	345	344,321
Northumberland and Durham	541	676,279	529	709,281	487	728,744
Ontario	410	835,213	629	819,249	501	788,012
Oxford	504	699,098	476	730,404	528	805,358
Parry Sound	178	138,904	146	138,777	149	260,273
Peel	383	364,162	346	392,393	274	572,371
Perth	396	546,746	409	554,109	374	499,134
Peterborough	340	472,786	336	422,582	278	478,236
Prescott and Russell	511	843,535	484	919,672	470	886,485
Prince Edward	213	286,680	224	300,842	196	308,569
Rainy River	112	80,244	131	124,714	115	125,218
Renfrew	287	482,840	276	560,812	272	509,843
Simcoe	852	1,151,171	866	339,079	768	1,038,551
Stormont, Dundas and Glengarry	683	991,882	605	1,015,343	577	1,013,013
Sudbury	530	375,043	509	473,783	504	399,655
Thunder Bay	282	847,083	243	965,158	219	370,372
Timiskaming	413	609,490	459	560,227	345	476,701
Victoria and Haliburton	279	389,331	270	373,277	256	383,616
Waterloo	749	858,805	746	532,008	484	785,094
Welland	780	938,722	806	983,607	630	864,805
Wellington	519	833,895	530	871,841	500	845,051
Wentworth	3,364	2,394,999	3,352	2,851,711	2,996	2,800,323
York	17,408	11,237,721	16,901	10,559,984	15,413	9,278,962
Total:						
All occupations	46,964	43,743,186	44,957	43,616,173	41,606	41,234,780
Farmers as given	7,043	14,385,556	7,252	15,227,048	8,018	15,866,720
*Occupations not given	28,257	16,743,782	25,202	16,085,409	20,565	10,116,911

---

*A number of these may be "farmers." Nearly every clerk reports a number of instruments as unclassified as to occupation. Certain finance corporations have adopted the practice of filing chattel mortgages instead of liens on automobiles. This is very noticeable in Essex and Middlesex Counties (included in unclassified).

PART III.

Comparative Farm Statistics for Fifty-Eight Years—1882-1939

STATISTICS OF FARM CROPS

Fall Wheat and Spring Wheat

The following table gives the area, produce and market value of fall wheat and spring wheat for the years 1882 to 1939, together with the annual averages for the various periods of ten years and the average for the fifty-eight years.

Years	Fall Wheat				Spring Wheat			
	Acres	Bushels	Per acre	Market Value	Acres	Bushels	Per acre	Market value
				$				$
1939	734,988	22,271,000	30.3	14,253,000	81,757	1,550,000	18.9	1,023,000
1938	742,062	19,805,775	26.7	11,082,514	88,001	1,592,289	18.1	923,545
1937	718,813	18,691,535	26.0	19,427,921	94,174	1,600,648	17.0	1,638,457
1936	509,306	12,478,456	24.5	13,601,343	97,972	1,735,147	17.7	1,874,293
1935	555,073	12,600,690	22.7	8,946,898	98,807	1,857,135	18.8	1,356,077
1934	425,594	6,724,089	15.8	5,917,025	96,373	1,803,088	18.7	1,533,062
1933	558,970	14,030,553	25.1	9,259,526	96,701	1,662,969	17.2	1,114,229
1932	536,292	15,061,600	28.1	6,929,113	100,068	1,990,368	19.9	895,980
1931	525,024	15,013,555	28.6	7,747,787	90,183	1,982,594	20.0	1,008,547
1930	676,802	18,047,207	26.7	11,958,527	98,966	2,179,204	22.0	1,426,734
1929	691,662	17,820,739	25.8	22,092,590	106,610	1,929,892	18.1	2,416,054
1928	693,660	16,766,408	24.2	20,456,753	109,805	2,181,855	19.9	2,599,815
1927	751,377	19,447,536	25.9	24,254,806	119,580	2,408,055	20.1	2,939,777
1926	807,015	20,988,030	26.0	26,262,506	115,497	2,166,054	18.8	2,708,690
1925	747,101	22,764,736	30.5	30,420,639	113,338	2,440,632	21.5	3,245,576
1924	722,366	21,396,621	29.6	28,646,679	101,401	1,948,853	19.2	2,669,773
1923	717,307	16,599,067	23.1	15,976,322	111,601	1,937,937	17.4	1,865,540
1922	813,935	17,792,958	21.9	18,616,746	124,206	2,099,503	16.9	2,207,565
1921	621,420	13,667,879	22.0	15,096,980	152,904	1,907,459	12.5	2,087,264
1920	762,371	18,492,013	24.3	35,759,610	267,367	4,480,472	16.8	8,237,182
1919	619,494	15,051,703	24.3	35,698,096	361,150	5,646,544	15.6	13,603,841
1918	362,616	7,054,845	19.5	14,877,794	351,423	8,186,191	23.3	17,076,203
1917	585,946	13,384,207	22.8	28,078,738	182,957	3,679,516	20.1	7,716,693
1916	704,867	14,942,050	21.2	24,099,591	144,305	2,213,961	15.3	3,591,681
1915	811,185	24,737,011	30.5	24,023,286	162,142	3,439,949	21.2	3,392,996
1914	685,692	14,333,548	20.9	15,641,232	118,607	2,169,425	18.3	2,340,520
1913	646,533	15,945,717	24.7	13,550,459	116,581	2,068,951	17.7	1,818,652
1912	759,888	15,039,885	19.8	13,795,968	123,080	2,302,339	18.7	2,072,266
1911	837,492	17,926,586	21.4	15,519,411	133,711	2,295,534	17.2	2,081,580
1910	743,473	19,837,172	26.7	17,172,678	129,319	2,489,833	19.3	2,229,999
1909	663,375	15,967,653	24.1	16,335,950	135,161	2,223,567	16.5	2,237,189
1908	679,642	16,430,476	24.2	14,649,061	142,124	2,197,716	15.5	1,996,230
1907	676,164	15,545,491	23.0	14,410,670	144,514	2,473,651	17.1	2,137,234
1906	787,287	18,841,774	23.9	13,321,134	171,745	3,267,000	19.0	2,250,963
1905	796,213	17,933,961	22.5	13,719,480	190,116	3,582,627	18.8	2,683,387
1904	605,458	9,160,623	15.1	9,041,535	225,027	3,471,103	15.4	3,269,779
1903	665,028	17,242,763	25.9	12,949,315	248,518	4,650,707	18.7	3,460,126
1902	748,592	20,233,669	27.0	14,305,204	303,115	6,048,024	20.0	4,209,425
1901	911,587	15,943,229	17.5	10,538,474	358,048	5,498,751	15.4	3,673,166
1900	1,068,640	23,369,737	21.9	15,517,505	376,905	6,940,333	18.4	4,684,725
1899	1,049,691	14,439,827	13.8	9,631,365	398,726	7,041,317	17.7	4,682,476
1898	1,048,182	25,158,713	24.0	17,460,147	389,205	6,873,785	17.7	4,756,659
1897	950,222	23,988,051	25.2	18,758,656	323,305	4,868,101	15.1	3,826,327
1896	876,955	15,078,441	17.2	10,705,693	255,361	3,519,322	13.8	2,484,641
1895	743,199	14,155,282	19.0	9,809,610	223,957	3,472,543	15.5	2,423,835
1894	778,992	16,512,106	21.2	9,081,658	230,016	3,367,854	14.6	1,869,159
1893	913,954	17,545,248	19.2	10,509,604	356,721	4,186,063	11.7	2,486,521
1892	966,522	20,492,497	21.2	14,488,195	651,302	8,290,395	12.7	5,620,888
1891	849,956	21,872,488	25.7	20,800,736	510,634	10,711,538	21.0	9,951,019
1890	720,101	14,267,383	19.8	13,439,875	601,753	7,683,905	12.8	7,015,405
1889	822,115	13,001,865	15.8	11,493,648	398,610	5,697,707	14.3	5,019,680
1888	826,537	13,830,787	16.7	14,162,726	367,850	6,453,559	17.5	6,408,384
1887	897,743	14,440,611	16.1	11,321,439	484,821	5,633,117	11.6	4,393,831
1886	886,402	18,071,142	20.4	13,300,361	577,465	9,518,553	16.5	6,900,951
1885	875,136	21,478,281	24.5	17,504,799	799,463	9,129,881	11.4	7,358,684
1884	864,740	20,717,631	24.0	16,677,693	721,647	14,609,661	20.2	11,892,264
1883	1,097,210	11,656,957	10.6	12,239,805	586,410	9,726,063	16.6	10,406,887
1882	1,188,520	31,255,202	26.3	31,567,754	586,817	9,665,999	16.5	10,245,959
Annual Averages:								
1922–1931	714,625	18,663,676	26.1	20,643,336	110,019	2,127,458	19.3	2,308,807
1912–1921	656,001	15,264,886	23.3	22,062,175	198,052	3,609,481	18.2	6,193,730
1902–1911	720,272	16,912,017	23.5	14,142,444	182,335	3,269,976	17.9	2,655,591
1892–1901	930,794	18,668,313	20.1	12,650,091	356,355	5,405,846	15.2	3,650,840
1882–1891	902,846	18,059,235	20.0	16,250,884	563,547	8,882,998	15.8	7,959,306
1882–1939	759,077	17,195,603	22.7	16,308,735	256,154	4,254,297	16.6	4,104,162

STATISTICS OF FARM CROPS

Oats and Barley

The following table gives the area, produce and market value of Oats and Barley for the years 1882 to 1939, together with the annual averages for the various periods of ten years and the average for the fifty-eight years.

Years	Oats				Barley			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1939	2,274,126	86,639,000	38.1	29,457,000	522,232	16,600,000	31.8	7,636,000
1938	2,262,930	83,198,318	27.9	23,231,985	544,017	16,648,991	30.6	6,798,249
1937	2,263,935	73,712,228	32.6	31,035,041	555,939	16,029,856	28.8	9,380,594
1936	2,345,906	66,857.962	28.5	32,091,668	519,233	14,018,054	27.0	11,214,391
1935	2,376,736	85,560,799	36.0	23,957,144	523,035	16,841,004	32.2	6,736,335
1934	2,390,817	81,526,069	34.1	28,534,021	484,908	14,741,263	30.4	7,370,538
1933	2,315,700	65,543,218	28.3	21,629,214	461,226	12,037,325	26.1	4,935,203
1932	2,338,569	75,517,411	32.3	18,878,732	456,000	13,771,000	30.2	4,958,004
1931	2,330,128	77,979,490	33.5	19,499,057	437,588	13,407,038	30.6	4,898,775
1930	2,468,913	97,481,866	39.5	28,983,780	609,879	20,910,731	34.3	7,496,760
1929	2,335,310	73,640,478	31.5	45,918,227	622,063	18,032,191	29.0	13,799,386
1928	2,659,980	93,461,068	35.1	51,912,665	615,433	19,944,133	32.4	14,790,285
1927	2,689,295	101,913,746	37.9	58,438,236	514,802	17,238,125	33.5	13,382,864
1926	2,831,755	95,722,130	33.8	49,615,846	449,095	14,447,174	32.2	9,823,171
1925	2,837,390	118,100,471	41.6	53,404,626	436,383	14,917,247	34.2	10,160,463
1924	2,891,990	114,249,129	39.5	61,899,999	439,177	14,570,403	33.2	11,970,808
1923	2,967,417	103,485,442	34.9	46,937,124	452,490	13,523,349	29.9	8,487,609
1922	3,034,090	116,033,569	38.2	50,450,114	433,922	13,971,811	32.2	8,561,782
1921	3,094,958	72,575,191	23.4	36,555,194	462,176	10,149,353	22.0	6,665,865
1920	2,880,053	129,171,312	44.9	75,159,913	484,328	16,660,350	34.4	15,631,613
1919	2,674,341	78,388,018	29.3	76,572,899	569,183	13,133,757	23.1	19,146,902
1918	2,924,468	131,752,601	45.1	98,798,745	660,404	24,247,673	36.7	25,112,912
1917	2,763,355	111,232,817	40.3	86,640,057	551,298	18,387,741	33.4	23,118,166
1916	2,689,762	71,297,528	26.5	47,066,428	527,886	12,388,969	23.5	12,621,940
1915	2,871,755	120,217,952	41.9	47,452,121	552,318	19,893,129	36.0	11,130,811
1914	2,776,883	103,564,322	37.3	51,232,043	579,473	18,096,754	31.2	11,640.790
1913	2,699,459	98,426,902	36.5	36,342,489	623,658	18,255,958	29.3	10,136,759
1912	2,601,735	98,444,807	37.8	38,005,016	647,382	19,232,275	29.7	11,296,962
1911	2,699,230	84,829,232	31.4	37,494,695	616,977	16,248,129	26.3	12,000,154
1910	2,757,933	102,084,924	37.0	35,698,964	626,144	19,103,107	30.5	9,930,410
1909	2,695,585	90,235,579	33.5	35,612,676	695,262	18,776,777	27.0	10,286,328
1908	2,774,259	96,626,419	34.8	38,987,985	734,029	20,888,569	28.5	10,943,788
1907	2,932,509	83,524,301	28.5	40,759,859	766,891	21,718,332	28.3	12,900,689
1906	2,716,711	108,341,455	39.9	36,836,095	756,163	25,253,011	33.4	11,363,855
1905	2,668,416	105,563,572	39.6	35,469,360	772,633	24,265,394	31.4	10,409,854
1904	2,654,936	102,173,443	38.5	33,002,022	772,434	24,567,825	31.8	10,736,140
1903	2,638,665	109,874,053	41.6	32,193,097	709,839	24,378,817	34.3	10,263,482
1902	2,500,758	106,431,439	42.6	37,038,141	661,622	21,890,602	33.1	9,872,661
1901	2,408,264	78,334,490	32.5	28,357,085	637,201	16,761,076	26.3	7,542,484
1900	2,398,834	89,693,327	37.4	23,768,732	577,810	16,909,751	29.3	6,577,893
1899	2,363,778	89,897,724	38.0	24,901,670	490,374	14,830,891	30.2	5,858,202
1898	2,376,360	86,858,293	36.6	22,409,440	438,784	12,663,668	28.9	4,812,194
1897	2,432,491	86,318,128	35.5	19,507,897	451,515	12,021,779	26.6	3,245,880
1896	2,425,107	82,979,992	34.2	16,595,998	462,792	12,669,744	27.4	4,003,639
1895	2,373,309	84,697,566	35.7	24,646,992	478,046	12,090,507	25.3	4,884,565
1894	2,342,766	70,172,516	30.0	21,613,135	486,261	10,980,404	22.6	4,447,064
1893	1,936,644	58,584,529	30.3	19,450,064	467,315	9,806,088	21.0	3,932,241
1892	1,861,469	64,758,053	34.8	19,945,480	499,225	12,274,318	24.6	5,069,293
1891	1,840,636	75,009,542	40.8	27,378,483	553,166	16,141,904	29.2	7,925,675
1890	1,882,366	52,768,207	28.0	21,687,734	701,326	15,600,169	22.2	7,831,285
1889	1,923,444	64,346,301	33.5	19,625,622	875,286	23,386,388	26.7	10,290,011
1888	1,849,868	65,466,911	35.4	26,514,099	895,432	23,366,569	26.1	14,043,308
1887	1,682,463	49,848,101	29.6	17,247,443	767,346	17,134,830	22.3	9,715,448
1886	1,621,901	58,665,608	36.2	18,772,995	735,778	19,512,278	26.5	10,009,799
1885	1,543,745	55,229,742	35.8	17,397,369	597,873	16,533,587	27.7	9,126,540
1884	1,481,828	57,696,304	38.9	19,097,476	700,472	19,119,041	27.3	10,247,806
1883	1,418,309	54,573,609	38.5	20,737,971	757,156	18,414,337	24.3	10,496,172
1882	1,387,487	50,501,701	36.4	21,715,731	848,617	24,284,407	28.6	15,784,865
Annual Averages:								
1922–1931	2,704,627	99,206,739	36.7	46,705,967	501,083	16,096,220	32.1	10,337,190
1912–1921	2,797,677	101,507,145	36.3	59,382,491	565,811	17,044,596	30.1	14,650,272
1902–1911	2,703,900	98,968,442	36.6	36,309,289	711,199	21,709,056	30.5	10,870,736
1892–1901	2,291,902	79,229,462	34.6	22,119,649	498,932	13,100,823	26.3	5,037,346
1882–1891	1,663,205	58,410,603	35.1	21,017,492	743,245	19,349,351	26.0	10,547,091
1882–1939	2,416,928	86,065,153	35.6	35,761,442	590,850	17,132,551	29.0	9,887,167

STATISTICS OF FARM CROPS

Peas and Beans

The following table gives the area, produce and market value of Peas and Beans for the years 1882 to 1939, together with the annual averages for the various periods of ten years and the average for the fifty-eight years.

Years	Peas				Beans			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1939	51,902	887,000	17.1	1,570,000	62,527	1,338,000	21.4	3,011,000
1938	52 405	899,103	17.2	1,348,680	59,727	1,366,018	22.9	1,366,018
1937	58,358	796,208	13.6	1,242,687	57,175	1,105,660	19.3	1,178,628
1936	66,831	815,101	12.2	1,263,360	56,344	743,037	13.2	1,501,391
1935	68,709	1,168,244	17.0	1,109,639	56,987	1,031,871	18.1	1,496,499
1934	68,811	1,156,027	16.8	983,041	49,445	692,025	14.0	878,504
1933	58,746	938,755	16.0	750,856	52,320	779,476	14.9	717,326
1932	59,535	1,071,344	18.0	696,348	61,821	1,059,559	17.1	519,132
1931	58,944	972,832	16.5	608,586	76,312	1,184,172	15.5	685,934
1930	80,093	1,581,468	19.7	1,657,822	67,540	905,498	13.4	1,306,852
1929	79,523	1,235,658	15.5	2,013,945	63,732	1,113,310	17.5	3,373,233
1928	109,887	1,892,588	17.2	2,892,490	50,953	873,427	17.1	3,343,825
1927	105,662	2,035,687	19.3	3,049,924	47,156	725,011	15.4	1,700,257
1926	97,865	1,880,301	19.2	2,831,588	51,721	819,166	15.8	1,913,221
1925	133,434	2,607,287	19.5	3,532,258	61,080	1,154,317	18.9	2,431,446
1924	130,989	2,456,164	18.8	3,712,042	52,047	856,860	16.5	1,958,602
1923	117,409	2,030,850	17.3	2,940,685	41,127	633,713	15.4	1,538,701
1922	105,544	2,076,965	19.7	2,914,720	39,999	622,781	15.6	1,579,549
1921	105,964	1,441,095	13.6	2,205,423	26,509	427,531	16.1	1,005,057
1920	109,187	2,209,523	20.2	4,270,938	22,744	380,499	16.7	1,097,137
1919	127,253	1,816,517	14.3	4,794,268	22,920	288,480	12.6	1,154,081
1918	113,862	2,381,937	20.9	5,184,332	100,082	1,387,834	13.9	6,230,007
1917	90,322	1,512,567	16.7	4,855,888	110,680	1,078,510	9.7	7,446,626
1916	95,542	1,243,979	13.4	2,618,754	53,999	583,105	10.8	3,183,086
1915	126,943	2,043,049	16.1	3,302,641	62,863	882,819	14.0	2,745,105
1914	177,856	2,609,585	14.7	3,565,974	51,149	835,895	16.3	1,787,432
1913	177,303	3,108,263	17.5	3,127,551	66,639	1,021,243	15.3	1,738,900
1912	221,524	3,667,005	16.6	4,047,354	69,703	1,182,132	17.0	2,280,173
1911	304,491	4,462,182	14.7	4,380,883	51,508	898,212	17.4	1,711,089
1910	403,414	6,016,003	14.9	4,856,986	49,778	892,927	17.9	1,386,798
1909	381,609	7,613,656	20.0	6,437,685	45,029	826,344	18.4	1,334,325
1908	396,642	7,401,336	18.7	6,121,449	46,477	783,757	16.9	1,160,103
1907	340,977	7,365,036	21.6	5,744,728	47,562	790,269	16.6	1,201,209
1906	410,356	7,388,987	18.0	5,216,625	51,272	950,312	18.5	1,320,934
1905	374,518	7,100,021	19.0	4,636,314	50,543	846,443	16.7	1,117,305
1904	339,260	6,629,866	19.5	4,176,816	50,892	912,849	17.9	1,113,676
1903	407,133	8,924,650	21.9	5,738,550	53,039	978,246	18.4	1,379,327
1902	532,639	7,664,679	14.4	5,441,922	53,964	670,633	12.4	905,355
1901	602,724	10,089,173	16.7	6,588,230	53,688	824,122	15.4	1,030,153
1900	661,592	14,058,198	21.2	8,027,231	44,053	820,373	18.6	817,912
1899	743,139	15,140,790	20.4	8,675,673	40,485	651,009	16.1	703,090
1898	865,951	13,521,263	15.6	7,058,099	45,220	759,657	16.8	531,760
1897	896,735	13,867,093	15.5	5,838,046	50,591	981,340	19.4	639,834
1896	829,601	17,493,148	21.1	7,696,985	68,369	1,197,535	17.5	819,114
1895	799,963	15,568,103	19.5	8,531,320	72,747	1,494,179	20.5	1,414,988
1894	785,007	14,022,888	17.9	7,516,268	59,281	827,514	14.0	913,575
1893	738,741	14,168,955	19.2	7,651,236	48,858	664,310	13.6	783,886
1892	774,732	14,494,430	18.7	8,551,714	33,249	535,931	16.1	529,500
1891	752,453	18,323,459	24.4	11,690,367	41,451	769,600	18.6	816,546
1890	781,206	15,389,313	19.7	9,279,756	39,456	761,341	19.3	978,323
1889	708,068	13,509,237	19.1	7,524,645	21,830	371,893	17.0	471,188
1888	696,653	14,269,863	20.5	9,332,490	22,700	534,526	23.5	607,756
1887	726,756	12,173,332	16.8	6,804,892	20,275	275,975	13.6	270,180
1886	703,936	16,043,734	22.8	8,439,004	21,072	482,072	22.9	403,494
1885	646,081	14,006,192	21.7	8,123,591	24,651	496,564	20.1	397,251
1884	570,928	13,691,607	24.0	8,817,395	24,878	592,044	23.8	698,612
1883	542,771	10,673,723	19.7	7,578,343	25,907	....	....	....
1882	560,770	11,006,115	19.6	8,144,525	19,787	409,910	20.7	807,523
Annual Averages:								
1922–1931	101,935	1,876,980	18.4	2,615,406	55,167	888,826	16.1	1,983,162
1912–1921	134,576	2,203,352	16.4	3,797,312	58,729	806,805	13.7	2,866,760
1902–1911	389,104	7,056,642	18.1	5,275,196	50,006	854,999	17.1	1,263,012
1892–1901	769,819	14,242,404	18.5	7,613,480	51,654	875,597	17.0	818,381
1882–1891	668,962	13,908,658	20.8	8,573,501	26,201	469,393	17.9	545,087
1882–1939	364,297	6,907,106	19.0	4,960,579	49,550	811,583	16.4	1,472,975

STATISTICS OF FARM CROPS

Rye and Buckwheat

The following table gives the area, produce and market value of Rye and Buckwheat for the years 1882 to 1939, together with the annual averages for the various periods of ten years and the average for the fifty-eight years.

Years	Rye				Buckwheat			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1939	75,652	1,378,000	18.2	799,000	168,404	3,570,000	21.2	1,856,000
1938	74,129	1,439,266	19.4	626,738	183,200	3,507,176	19.1	1,440,364
1937	74,704	1,291,222	17.3	1,006,882	195,193	3,753,901	19.2	2,237,761
1936	53,212	893,962	16.8	751,119	196,971	3,959,741	20.1	2,732,034
1935	59,340	1,044,363	17.6	417,797	186,427	3,896,451	20.9	1,558,406
1934	55,947	865,988	15.5	475,984	213,904	4,384,994	20.5	2,060,966
1933	54,006	913,024	16.9	465,739	207,124	4,349,266	21.0	1,826,807
1932	57,500	1,024,000	17.8	378,924	196,552	4,511,006	22.9	1,579,166
1931	61,701	1,104,754	17.9	462,594	178,719	3,665,584	20.5	1,551,607
1930	52,881	937,302	17.7	454,565	275,317	5,675,616	20.6	2,935,428
1929	52,023	873,239	16.8	847,938	294,388	5,562,013	18.9	4,627,121
1928	66,307	1,131,172	17.1	1,076,724	271,243	5,692,376	21.0	4,638,578
1927	72,323	1,289,058	17.8	1,228,421	249,210	5,892,510	23.6	4,593,204
1926	86,355	1,501,390	17.4	1,309,840	234,870	4,975,192	21.2	3,830,695
1925	98,652	1,784,625	18.1	1,553,529	257,932	5,579,109	21.6	4,086,236
1924	126,641	2,299,545	18.2	2,471,369	240,552	6,449,496	26.8	5,593,465
1923	123,354	2,011,325	16.3	1,481,691	230,276	5,012,010	21.8	3,670,511
1922	152,709	2,500,354	16.4	1,959,112	197,812	4,266,215	21.6	3,137,448
1921	122,868	1,775,599	14.5	1,467,086	147,944	3,354,201	22.7	2,482,999
1920	133,090	2,349,880	17.7	3,336,240	143,204	3,190,478	22.3	3,367,161
1919	140,072	2,219,042	15.8	3,531,031	178,569	4,071,959	22.8	5,727,413
1918	112,726	1,812,909	16.1	2,750,561	223,662	4,597,990	20.6	6,207,986
1917	133,077	2,222,325	16.7	3,614,591	153,457	2,992,391	19.5	4,278,256
1916	148,738	2,354,410	15.8	2,797,290	229,205	3,261,888	14.2	3,555,699
1915	173,736	3,210,512	18.5	2,532,051	193,497	4,278,366	22.1	3,057,398
1914	138,913	2,315,532	16.7	1,965,522	177,227	4,251,421	24.0	3,041,564
1913	118,429	1,979,775	16.7	1,310,306	228,279	4,012,418	17.6	2,549,398
1912	105,949	1,839,675	17.4	1,287,208	205,893	5,414,796	26.3	2,950,001
1911	98,652	1,562,971	15.8	1,326,510	189,039	3,852,231	20.4	2,324,992
1910	95,397	1,620,333	17.0	1,024,787	194,913	4,693,881	24.1	2,346,387
1909	94,661	1,573,921	16.6	1,060,566	176,630	4,280,790	24.2	2,284,440
1908	87,908	1,453,616	16.5	1,012,953	140,605	3,323,668	23.6	1,799,890
1907	67,158	1,039,021	15.5	721,081	113,039	2,546,468	22.5	1,461,673
1906	79,870	1,327,582	16.6	808,497	106,444	1,792,903	16.8	887,487
1905	101,292	1,714,951	16.9	974,092	101,591	2,199,652	21.7	1,099,826
1904	130,702	2,001,826	15.3	1,153,052	100,608	2,066,234	20.5	1,004,190
1903	179,277	2,970,768	16.6	1,443,793	95,487	2,049,169	21.5	907,782
1902	189,318	3,509,332	18.5	1,772,213	93,324	1,911,683	20.5	917,608
1901	158,236	2,545,268	16.1	1,254,817	88,266	1,757,071	19.9	850,422
1900	142,213	2,357,635	16.6	1,143,453	102,570	1,874,261	18.3	819,052
1899	137,824	2,284,846	16.6	1,142,423	132,082	2,203,299	16.7	1,002,501
1898	165,089	2,673,234	16.2	1,162,857	150,394	2,373,645	15.8	906,732
1897	187,785	3,382,005	18.0	1,275,016	151,669	3,464,186	22.8	1,039,256
1896	148,680	2,230,873	15.0	816,500	145,606	2,603,669	17.9	794,119
1895	120,350	1,900,117	15.8	866,453	135,262	2,791,749	20.6	1,027,364
1894	90,144	1,386,606	15.4	612,880	145,268	2,534,335	17.4	993,459
1893	68,486	994,771	14.5	472,516	133,828	2,380,456	17.8	995,031
1892	73,073	1,132,504	15.5	631,937	125,104	2,521,214	20.2	1,063,952
1891	67,865	1,134,630	16.7	820,337	107,879	2,608,142	24.2	1,150,191
1890	103,061	1.563,345	15.2	823,883	90,111	2,053,720	22.8	883,100
1889	90,106	1,431,679	15.9	728,725	56,398	1,272,578	22.6	502,668
1888	84,087	1,295,302	15.4	779,772	57,528	1,222,283	21.2	602,585
1887	68,362	894,887	13.1	442,969	64,143	1,025,353	16.0	461,409
1886	67,779	1,106,462	16.3	577,573	70,792	1,678,708	23.7	565,725
1885	78,293	1,271,506	16.2	701,871	61,776	1,530,675	24.8	600,024
1884	103,416	1,648,259	15.9	984,010	65,836	1,484,570	22.5	593,828
1883	188,111	3,012,240	16.0	2,018,201	67,802	....	....	....
1882	185,276	3,473,799	18.7	2,223,231	50,035	1,262,973	25.2	505,189
Annual Averages:								
1922–1931	89,295	1,543,279	17.3	1,284,578	243,032	5,277,012	21.7	3,866,429
1912–1921	132,760	2,207,966	16.6	2,459,189	188,094	3,942,591	21.0	3,721,788
1902–1911	112,424	1,877,432	16.7	1,129,754	131,168	2,871,668	21.9	1,503,428
1892–1901	129,188	2,088,786	16.2	937,885	131,005	2,450,389	18.7	949,189
1882–1891	103,636	1,683,211	16.2	1,010,057	69,230	1,413,900	20.4	586,472
1882–1939	106,509	1,773,389	16.7	1,280,645	158,156	3,301,519	20.9	2,095,941

STATISTICS OF FARM CROPS

FLAX AND MIXED GRAINS

The following table gives the area, produce and market value of Flax and Mixed Grains for the years 1907 to 1939, together with the annual averages for the various periods and for the whole term of years.

Years	Flax				Mixed Grains			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1939	6,162	58,000	9.3	92,000	914,364	35,662,000	39.0	14,621,000
1938	5,176	44,917	8.7	56,200	888,321	32,596,707	36.7	11,522,394
1937	5,009	51,743	10.3	72,501	890,136	30,674,828	34.5	14,787,597
1936	5,289	34,423	6.5	50,819	953,079	27,830,699	29.2	14,750,022
1935	7,436	75,277	10.2	98,277	926,557	33,821,188	36.5	11,499,206
1934	5,666	56,716	10.0	75,550	941,448	32,195,970	34.2	12,878,261
1933	5,548	49,474	9.0	59,357	946,779	27,552,147	29.1	10,470,240
1932	6,280	61,569	9.8	55,540	986,161	33,327,100	33.8	10,997,537
1931	7,325	79,555	10.9	83,812	1,012,347	35,155,615	34.7	12,510,754
1930	5,235	51,257	9.8	78,809	958,086	37,512,279	39.2	13,857,314
1929	5,492	46,927	8.5	109,034	892,897	29,903,638	33.5	21,890,640
1928	7,964	67,441	8.5	141,111	905,693	33,691,418	37.2	23,420,648
1927	7,080	68,173	9.6	121,004	799,333	31,918,944	39.9	22,882,169
1926	7,712	75,736	9.8	148,149	770,981	28,577,629	37.1	18,697,998
1925	9,789	123,134	12.6	262,386	681,624	28,246,057	41.4	16,559,729
1924	6,619	77,801	11.8	162,590	645,622	26,403,332	40.9	18,231,508
1923	6,766	68,684	10.2	140,376	648,934	23,880,889	36.8	14,290,315
1922	4,556	48,662	10.7	106,046	552,399	21,270,479	38.5	11,882,085
1921	7,534	66,748	8.9	130,995	618,289	16,188,510	26.2	10,579,352
1920	21,053	224,893	10.7	515,983	581,689	25,712,447	44.2	20,556,442
1919	13,717	129,461	9.4	670,608	628,761	19,735,287	31.4	26,403,773
1918	15,925	196,221	12.3	*1,224,783	619,389	27,462,374	44.3	28,253,556
1917	7,372	....	....	....	515,593	20,102,421	39.0	20,876,501
1916	5,880	....	....	....	485,986	13,297,354	27.4	12,485,065
1915	5,334	....	....	....	475,738	19,461,609	40.9	10,602,271
1914	6,025	....	....	....	456,631	16,854,550	36.9	10,074,687
1913	7,431	....	....	....	414,517	15,113,480	36.5	7,953,111
1912	9,125	....	....	....	448,402	16,382,161	36.5	8,674,724
1911	12,128	....	....	....	486,112	14,845,595	30.5	9,104,141
1910	12,021	....	....	....	497,936	18,261,803	36.7	9,187,822
1909	11,253	....	....	....	474,530	16,199,434	34.1	8,825,196
1908	8,562	....	....	....	456,049	15,354,350	33.7	8,444,893
1907	9,296	....	....	....	443,100	14,202,511	32.1	7,811,381
Annual Averages:								
1922–1931	6,854	70,737	10.3	135,332	786,792	29,666,028	37.7	17,422,316
1912–1921	9,940	....	....	....	524,500	19,031,019	36.3	15,645,948
1907–1911	10,652	....	....	....	471,545	15,772,739	33.4	8,674,687
1907–1939	8,114	....	....	....	694,469	24,830,449	35.8	14,411,586

*Including seed of fibre variety commandeered and shipped to Ireland to the value of $930,769.

No estimates of yields of flax were made previous to 1918. The average for the twenty-two years, 1918–1939, was 7,879 acres, yielding 79,855 bushels, valued at $202,542.

STATISTICS OF FARM CROPS

Husking Corn and Silo Corn

The following table gives the area, produce and market value of *Corn (for husking and for silo) for the years 1892 to 1939, together with the annual averages for the various periods of ten years and the average for the forty-eight years.

Years	Corn for Husking				Corn for Silo			
	Acres	Bushels (shelled)	Per acre	Market value	Acres	Tons (green)	Per acre	Market value
				$				$
1939	183,175	8,097,000	44.2	4,453,000	335,691	3,545,000	10.55	9,430,000
1938	180,130	7,696,212	42.7	3,307,900	321,754	3,470,225	10.79	8,726,715
1937	165,593	5,409,213	32.7	3,272,319	317,349	3,080,766	9.71	8,280,429
1936	164,399	6,082,942	37.0	4,136,165	306,934	2,470,816	8.05	7,858,238
1935	167,710	7,764,981	46.3	3,494,268	324,799	3,033,659	9.34	9,100,977
1934	161,137	6,797,863	42.2	4,419,012	323,173	2,990,000	9.25	11,960,000
1933	136,596	5,054,297	37.0	2,830,032	286,021	2,440,009	8.53	7,320,027
1932	130,257	5,056,623	38.8	2,275,625	285,343	2,573,977	9.02	6,434,943
1931	123,960	5,434,159	43.9	2,157,322	264,286	2,301,527	8.71	9,206,108
1930	130,094	5,148,898	39.6	3,569,682	311,817	2,619,049	8.40	10,476,196
1929	120,000	4,449,961	32.1	4,460,367	287,566	2,221,467	7.73	9,574,523
1928	110,192	4,614,567	41.9	4,714,511	299,307	2,685,727	8.97	11,199,482
1927	102,626	3,632,809	35.4	3,613,287	326,964	2,490,660	7.62	10,012,453
1926	179,325	6,886,293	38.4	5,529,069	367,772	3,497,071	9.51	15,736,820
1925	207,767	9,736,311	46.9	8,131,617	373,133	3,614,233	9.69	15,360,490
1924	263,615	11,141,331	42.3	11,737,059	403,060	3,977,017	9.87	17,896,577
1923	285,335	12,861,496	45.1	9,710,461	409,628	3,651,102	8.91	14,604,408
1922	265,018	12,306,242	46.5	8,609,503	438,819	4,413,191	10.06	17,652,764
1921	250,684	13,542,441	54.0	8,012,455	438,343	5,015,082	11.44	25,075,410
1920	243,909	12,914,851	52.9	12,867,119	449,176	4,668,054	10.39	23,340,270
1919	221,004	10,101,650	45.7	16,400,838	399,549	4,013,946	10.05	20,069,730
1918	195,310	8,676,715	44.4	13,650,415	380,946	3,944,313	10.35	17,749,409
1917	258,935	7,675,675	29.7	14,278,407	511,329	4,587,176	8.97	18,348,704
1916	258,332	8,478,048	32.8	9,446,060	439,411	3,276,185	7.46	10,647,610
1915	309,773	14,506,997	46.8	9,885,292	443,736	4,874,377	10.98	12,185,943
1914	290,817	15,488,240	53.3	10,622,455	418,105	4,751,223	11.36	11,878,058
1913	299,871	14,809,343	49.4	9,545,538	388,138	4,059,345	10.46	10,148,363
1912	301,251	14,646,312	48.6	8,162,565	377,982	3,969,597	10.50	9,923,993
1911	308,350	14,608,860	47.8	9,693,994	335,935	3,764,227	11.21	9,410,568
1910	320,519	16,600,257	51.8	9,301,245	326,627	3,788,364	11.60	7,576,728
1909	322,789	15,079,793	46.7	9,705,826	288,346	3,374,655	11.70	6,749,310
1908	299,690	15,734,081	52.5	9,440,336	233,753	2,729,265	11.68	5,458,530
1907	338,573	14,599,644	43.1	6,219,448	200,354	2,029,547	10.13	4,059,094
1906	289,456	15,992,455	55.3	9,019,744	180,796	2,149,413	11.89	4,298,826
1905	295,005	13,948,613	47.3	7,720,557	184,784	2,284,812	12.36	4,569,624
1904	329,882	13,494,609	40.9	7,570,476	193,115	2,023,340	10.48	4,046,680
1903	378,924	19,525,259	51.5	10,807,230	209,727	2,564,400	12.23	5,128,800
1902	371,959	13,674,796	36.7	8,327,951	209,859	2,611,334	12.44	5,222,668
1901	323,923	16,558,737	51.1	9,438,480	197,932	2,359,514	11.92	4,719,028
1900	330,772	18,062,374	54.6	8,588,659	179,798	2,147,532	11.94	4,295,064
1899	333,590	14,448,823	43.3	4,291,300	171,935	1,697,755	9.87	3,395,510
1898	330,748	15,628,395	47.3	4,711,961	189,948	2,128,073	11.20	4,256,146
1897	335,030	16,442,665	49.1	4,858,808	209,005	2,669,822	12.77	5,339,644
1896	317,667	16,047,576	50.5	4,717,987	178,962	1,948,780	10.89	3,897,560
1895	302,929	16,546,599	54.6	5,609,297	149,899	1,775,654	11.85	3,551,308
1894	267,348	10,850,235	40.6	4,247,867	111,361	1,049,765	9.43	2,099,530
1893	217,294	9,381,974	43.2	3,729,335	95,865	1,049,524	10.95	2,099,048
1892	181,463	7,486,332	41.3	2,953,358	91,403	948,907	10.38	1,897,814
Annual Averages:								
1922–1931	178,793	7,621,207	42.6	6,223,288	348,235	3,147,104	9.04	13,171,982
1912–1921	262,989	12,084,027	45.9	11,287,114	424,672	4,315,930	10.16	15,936,749
1902–1911	325,515	15,325,837	47.1	8,780,681	236,330	2,731,936	11.56	5,652,083
1892–1901	294,076	14,145,371	48.1	5,314,705	157,611	1,777,533	11.28	3,555,065
1892–1939	247,973	11,327,573	45.7	7,171,796	295,407	2,986,031	10.11	9,422,294

*The combined average area for corn for the ten years, 1882–1891, was 195,878 acres, the average value of the produce for the same period being $3,704,614. The combined average for corn for the fifty-eight years, 1882–1939, was 483,294 acres, the average value of the produce for the same period being $14,371,767.

STATISTICS OF FARM CROPS

Potatoes and Turnips

The following table gives the area, produce and market value of Potatoes and Turnips for the years 1882 to 1939, together with the annual averages for the various periods of ten years and the average for the fifty-eight years.

Years	Potatoes				Turnips			
	Acres	Hundred-weight	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1939	142,108	7,247,000	51.0	8,189,000	61,982	26,034,000	420	3,124,000
1938	146,177	7,428,652	50.8	5,779,073	63,407	26,101,938	412	3,132,233
1937	150,649	10,130,497	67.2	6,122,043	62,002	24,908,885	402	2,989,066
1936	145,046	8,700,037	60.0	11,744,902	61,902	23,226,804	375	3,215.753
1935	149,245	7,877,771	52.8	7,878,163	62,248	21,786,804	350	2,614,416
1934	164,325	11,829.864	72.0	6,506,762	65,021	25,368,247	390	3,550,155
1933	157,536	8,694,295	55.2	8,694,061	66,100	20,228,057	306	2,427,366
1932	156,252	9,515,764	60.9	6,565,765	65,952	25,456,398	386	2,036,511
1931	168,158	12,015,901	71.5	4,735,770	68,323	23,489,120	344	2,348,912
1930	159,192	10,965,033	68.9	10,906,175	74,133	25,386,998	342	5,077,400
1929	148,435	8,484,053	57.2	15,271,732	72,502	22,848,692	315	4,569,738
1928	181,241	11,275,111	62.2	11,052,928	71,791	34,323,412	478	6,864,682
1927	159,871	9,297,184	58.2	13,662,224	68,479	29,452,281	430	5,448,672
1926	153,468	9,897,774	64.5	18,627,771	71,500	23,204,013	325	4,640,803
1925	163,790	9,428,872	57.6	21,513,125	73,318	28,015,466	382	5,042,784
1924	169,145	14,979,918	88.6	13,355,441	70,110	32,547,607	464	5,533,093
1923	164,682	11,479,188	69.7	14,306,447	65,193	27,099,910	416	5,419,982
1922	172,858	12,209,725	70.6	10,385,525	67,635	29,923,528	442	5,984,706
1921	164,096	9,240,085	56.3	13,589,599	70,715	24,265,547	343	6,673,025
1920	157,509	14,377,025	91.3	23,776,530	80,588	40,141,406	498	11,038,887
1919	157,286	9,086,953	57.8	25,026,467	85,312	28,740,526	337	7,903,645
1918	166,203	11,625,568	69.9	19,238,431	85,449	42,190,382	494	10,547,596
1917	146,481	10,975,041	74.9	22,530,291	93,034	39,989,556	430	7,997,911
1916	139,523	4,445,057	31.9	9,684,215	91,670	24,067,699	263	3,369,478
1915	173,934	7,960,214	45.8	10,805,026	97,451	46,598,851	478	4,659,885
1914	167,591	16,030,552	95.7	11,747,332	95,371	46,336,708	486	4,633,671
1913	159,661	11,414,469	71.5	12,114,656	97,572	41,889,894	429	4,188,989
1912	158,888	12,807,836	80.6	13,604,052	101,529	49,561,566	488	4,956,157
1911	162,457	8,351,219	51.4	11,722,539	100,593	39,664,275	394	3,966,428
1910	168,454	13,156,682	78.1	10,798,597	108,360	49,425,472	456	4,942,547
1909	169,695	14,787,170	87.1	8,989,452	113,400	50,738,940	447	5,073,894
1908	166,974	11,110,585	66.5	8,874,201	120,920	41,210,189	341	4,121,019
1907	177,186	12,034,605	67.9	11,693,625	123,011	48,205,605	392	4,820,561
1906	136,064	9,012,179	66.2	8,080,921	132,512	57,060,151	431	5,706,015
1905	132,530	8,619,629	65.0	6,608,383	135,348	57,654,086	426	5,765,409
1904	133,819	9,287,473	69.4	7,847,915	133,207	64,861,703	487	6,486,170
1903	139,011	10,005,868	72.0	7,354,313	134,469	69,316,341	515	6,931,634
1902	144,733	7,765,501	53.7	7,312,514	136,725	71,740,204	525	7,174,020
1901	154,155	10,869,982	70.5	7,717,687	145,909	68,287,467	468	6,828,747
1900	163,754	12,885,863	78.7	5,605,351	156,583	59,330,395	379	5,933,040
1899	168,148	11,960,020	71.1	6,538,144	153,440	58,078,390	379	5,807,839
1898	169,946	8,615,175	50.7	6,332,154	151,601	64,727,882	427	6,472,788
1897	169,333	9,660,478	57.1	6,424,218	149,336	68,297,148	457	6,829,715
1896	178,965	12,783,286	71.4	5,582,035	148,234	69,814,841	471	6,981,484
1895	184,647	17,634,530	95.5	5,936,959	151,806	63,496,702	418	6,349,670
1894	167,253	10,297,878	61.6	6,075,748	147,657	61,694,487	418	6,169,449
1893	142,601	7,746,727	54.3	5,099,929	136,604	56,975,355	417	5,697,535
1892	145,703	7,373,890	50.6	6,194,068	129,627	63,541,641	490	6,354,164
1891	160,218	14,433,532	90.1	7,842,219	126,075	68,853,452	546	6,885,345
1890	158,094	10,536.670	66.6	7,779,575	111,055	47,040,563	424	4,704,056
1889	145,812	8,613,317	59.1	6,531,766	111,103	37,021,260	333	3,702,126
1888	153,915	13,364,164	86.8	7,060,733	113,188	47,640,237	421	4,764,024
1887	140,283	6,406,800	45.7	6,705,784	105,322	31,413,456	298	3,141,346
1886	140,143	9,607,415	68.6	7,189,548	98,931	47,061,053	476	4,706,105
1885	159,741	12,654,686	79.2	8,668,460	102,303	41,137,735	402	4,113,774
1884	168,757	16,527,757	97.9	11,018,504	104,190	44,406,363	426	4,440,636
1883	166,823	9,840,469	59.0	10,168,485	98,429	29,879,354	304	2,987,935
1882	160,700	11,059,287	68.8	11,796,573	78,823	35,359,331	448	3,535,933
Annual Averages:								
1922–1931	164,084	11,063,276	67.4	13,381,714	70,298	27,629,103	393	5,093,077
1912–1921	159,117	10,796,280	67.9	16,211,660	89,869	38,378,214	427	6,596,924
1902–1911	153,092	10,413,091	68.0	8,928,246	123,855	54,987,697	444	5,498,770
1892–1901	164,451	10,982,783	66.8	6,150,629	147,080	63,424,431	431	6,342,443
1882–1891	155,449	11,304,410	72.7	8,476,165	104,943	42,981,280	410	4,298,128
1882–1939	158,160	10,638,315	67.3	10,223,516	101,191	42,536,351	420	5,196,878

STATISTICS OF FARM CROPS

Mangels and Sugar Beets

The following table gives the area, produce and market value of Mangels for the years 1882 to 1939, and of Sugar Beets for the years 1907 to 1939, together with the annual averages for the various periods of ten years and the average for the full period.

Years	Mangels				Sugar Beets			
	Acres	Bushels	Per acre	Market value	Acres	Tons	Per acre	Market value
				$				$
1939	36,228	16,044,000	442	1,925,000	39,922	343,000	8.60	2,127,000
1938	35,673	15,503,275	435	1,860,393	28,206	276,447	9.80	1,796,906
1937	33,202	14,130,612	426	1,695,673	30,274	240,405	7.94	1,286,167
1936	32,408	12,941,428	399	1,811,800	37,564	390,667	10.40	2,078,348
1935	33,829	12,787,436	378	1,534,492	39,892	339,086	8.50	1,800,547
1934	33,079	13,826,991	418	1,935,779	37,575	255,695	6.80	1,457,462
1933	32,071	10,785,774	336	1,294,293	31,904	319,040	10.00	1,993,966
1932	31,797	12,781,446	402	1,022,515	33,256	332,560	10.00	1,745,939
1931	32,399	11,855,500	366	1,185,550	35,258	327,899	9.30	1,965,880
1930	29,055	10,626,135	366	2,125,227	38,220	340,158	8.90	2,333,909
1929	30,395	9,728,083	320	1,945,617	36,864	303,391	8.23	2,022,347
1928	33,567	14,738,443	439	2,947,689	45,294	380,470	8.40	2,757,898
1927	34,665	13,494,700	389	2,496,520	38,503	336,131	8.73	2,606,653
1926	34,009	13,548,484	398	2,709,697	41,594	471,260	11.33	3,766,217
1925	35,385	14,881,069	421	2,678,592	37,718	416,784	11.05	3,003,608
1924	35,958	15,616,128	434	2,654,742	36,080	333,740	9.25	2,272,570
1923	35,118	14,865,791	423	2,973,158	22,450	216,194	9.63	1,729,523
1922	35,274	16,366,353	464	3,273,271	20,725	190,256	9.18	1,523,246
1921	31,225	11,909,854	381	3,275,210	28,367	268,068	9.45	2,946,068
1920	36,450	17,174,290	471	4,722,930	36,288	412,957	11.38	4,536,693
1919	35,010	13,409,270	383	3,687,549	24,500	239,610	9.78	2,636,286
1918	40,714	18,244,453	448	4,561,113	22,894	235,350	10.28	2,349,535
1917	49,148	19,492,626	397	3,898,525	22,039	169,700	7.70	1,356,223
1916	42,793	9,756,015	228	1,365,842	22,482	150,629	6.70	843,351
1915	50,799	25,356,323	498	2,028,506	22,890	216,311	9.45	1,080,535
1914	50,663	25,439,520	502	2,035,162	18,534	186,823	10.08	933,352
1913	54,568	21,935,847	402	1,754,868	19,083	159,916	8.38	798,647
1912	60,103	27,671,114	460	2,213,689	21,054	195,381	9.28	977,383
1911	64,855	28,126,313	434	2,250,105	24,664	223,949	9.08	1,117,707
1910	68,966	34,686,137	503	2,774,891	26,879	280,886	10.45	1.348,629
1909	70,488	28,928,347	410	2,314,267	19,812	174,940	8.83	840,188
1908	67,937	29,870,966	440	2,389,677	17,453	175,054	10.03	840,570
1907	68,644	30,260,315	441	2,420,825	16,851	206 088	12.23	988,445
1906	69,352	32,863,192	474	2,629,055	....	....	.....	....
1905	69,035	33,216,930	481	2,657,354	....	....	.....	....
1904	71,344	33,595,440	471	2,687,635	....	....	.....	....
1903	80,918	41,768,239	516	3,341,459	....	....	.....	....
1902	76,553	39,140,924	511	3,131,274	....	....	.....	....
1901	61,095	29,683,324	486	2,374,666	....	....	.....	....
1900	54,543	24,728,525	453	1,978,282	....	....	.....	....
1899	53,401	20,898,387	391	1,671,871	....	....	.....	....
1898	47,923	21,957,564	458	1,756,605	....	....	.....	....
1897	41,175	18,103,387	440	1,448,271	....	....	.....	....
1896	36,101	16,849,401	467	1,347,952	....	....	.....	....
1895	34,383	15,961,502	464	1,276,920	....	....	.....	....
1894	27,670	11,532,127	417	922,570	....	....	.....	....
1893	21,519	8,582,568	399	686,605	....	....	.....	....
1892	22,026	10,350,474	470	828,038	....	....	.....	....
1891	22,961	11,779,448	513	942,356	....	....	.....	....
1890	25,953	11,594,518	447	927,561	....	....	.....	....
1889	21,211	7,223,478	341	577,878	....	....	.....	....
1888	21,459	10,020,659	467	801,653	....	....	.....	....
1887	17,924	5,695,761	318	455,661	....	....	.....	....
1886	18,170	8,787,743	484	703,019	....	....	.....	....
1885	16,435	7,660,729	466	612,858	....	....	.....	....
1884	18,341	8,655,184	472	692,415	....	....	.....	....
1883	17,219	6,252,015	363	500,161	....	....	.....	....
1882	15,792	7,711,420	488	616,913	....	....	.....	....
Annual Averages:								
1922–1931	33,583	13,572,069	404	2,499,006	35,271	331,547	9.40	2,398,185
1912–1921	45,147	19,038,931	422	2,954,339	23,813	223,366	9.38	1,845,807
1902–1911	70,809	33,245,680	470	2,659,654	*21,132	*212,377	*10.05	*1,027,108
1892–1901	39,984	17,864,726	447	1,429,178	....	....	.....	....
1882–1891	19,546	8,538,096	437	683,048	....	....	.....	....
1882–1939	40,672	17,782,689	437	1,988,486	†29,548	†275,975	†9.34	†1,874,600

*1907–11. †1907–39.

STATISTICS OF FARM CROPS

Alfalfa and Hay and Clover

The following table gives the area, produce and market value of Alfalfa for the years 1912 to 1939, and of Hay and Clover for the years 1882 to 1939, together with the annual averages for the various periods of ten years and the average for the whole period.

Years	Alfalfa				Hay and Clover			
	Acres	Tons	Per acre	Market value	Acres	Tons	Per acre	Market value
				$				$
1939	672,722	1,568,000	2.33	12,403,000	†2,400,149	4,067,000	1.69	30,950,000
1938	643,075	1,527,824	2.38	11,076,733	†2,440,625	4,166,076	1.71	28,850,043
1937	646,657	1,664,219	2.57	12,162,141	†2,474,861	4,190,574	1.69	29,923,850
1936	666,374	1,519,010	2.28	13,276,250	†2,510,329	3,936,141	1.57	34,612,053
1935	588,911	1,519,349	2.58	11,499,393	†2,529,452	4,603,677	1.82	32,593,451
1934	510,215	934,035	1.83	12,559,686	†2,618,811	2 775,995	1.06	35,032,423
1933	560,518	1,300,039	2.32	10,023,129	†2,769,610	4,127,139	1.49	34,708,446
1932	527,793	1,403,923	2.66	11,527,009	†2,780,349	4,420,718	1.59	32,005,889
1931	431,110	971,304	2.25	9,816,770	†2,858,923	4,615,372	1.61	38,906,045
1930	641,686	1,409,528	2.20	16,065,846	†2,849,702	4,353,094	1.53	45,365,729
1929	685,880	1,596,212	2.33	19,546,701	†2,915,221	4,661,660	1.60	52,573,554
1928	743,230	1,730,135	2.33	20,020,248	†2,811,076	4,455,615	1.59	50,026,378
1927	806,397	1,865,868	2.31	21,915,225	†2,832,813	4,914,515	1.73	54,161,232
1926	748,473	1,850,392	2.47	25,889,781	†2,889,143	4,248,048	1.47	54,154,454
1925	550,645	1,397,462	2.54	19,306,047	†3,022,507	4,181,206	1.38	50,738,655
1924	381,258	1,067,717	2.80	12,252,536	3,545,856	5,615,238	1.58	61,283,373
1923	299,610	788,431	2.63	8,915,438	3,596,484	5,799,422	1.61	64,069,155
1922	221,326	629,135	2.84	7,439,403	3,575,662	5,568,459	1.56	66,964,036
1921	177,205	456,378	2.58	8,023,795	3,551,655	3,954,166	1.11	76,193,216
1920	162,820	399,581	2.45	10,172,434	3,533,740	4,459,094	1.26	109,036,159
1919	146,790	314,419	2.14	7,293,462	3,508,266	5,588,804	1.59	126,750,915
1918	144,010	328,971	2.28	6,579,420	3,470,036	4,596,854	1.32	83,344,591
1917	189,109	462,956	2.45	5,460,205	3,358,579	6,156,340	1.83	72,705,998
1916	177,565	460,788	2.60	4,822,622	3,294,419	6,739,259	2.05	71,503,879
1915	165,284	428,739	2.59	6,044,599	3,066,468	3,825,024	1.25	55,660,170
1914	163,685	372,759	2.28	5,195,667	3,251,799	3,469,795	1.07	50,721,713
1913	167,707	380,606	2.27	5,090,267	3,261,139	3,543,957	1.09	46,212,298
1912	189,959	460,201	2.42	5,542,772	3,177,410	4,760,512	1.50	55,906,657
1911	....	....	....	....	3,301,468	4,238,362	1.28	55,767,671
1910	....	....	....	....	3,204,021	5,492,653	1.71	54,407,105
1909	....	....	....	....	3,228,445	3,885,145	1.20	49,754,078
1908	....	....	....	....	3,253,141	4,635,287	1.42	47,696,579
1907	....	....	....	....	3,289,552	3,891,863	1.18	58,806,050
1906	....	....	....	....	3,069,917	4,684,625	1.53	42,630,087
1905	....	....	....	....	3,020,365	5,847,494	1.94	45,142,654
1904	....	....	....	....	2,926,207	5,259,189	1.80	41,915,736
1903	....	....	....	....	2,783,565	4,336,562	1.56	34,432,302
1902	....	....	....	....	2,646,202	4,955,438	1.87	40,386,820
1901	....	....	....	....	2,557,263	4,632,317	1.81	37,012,213
1900	....	....	....	....	2,526,566	3,133,045	1.24	26,568,222
1899	....	....	....	....	2,505,422	3,498,705	1.40	27,010,003
1898	....	....	....	....	2,453,503	4,399,063	1.79	27,362,172
1897	....	....	....	....	2,341,488	3,811,518	1.63	27,366,699
1896	....	....	....	....	2,426,711	2,260,240	.93	21,879,123
1895	....	....	....	....	2,537,674	1,849,914	.73	22,753,942
1894	....	....	....	....	2,576,943	3,575,200	1.39	27,028,512
1893	....	....	....	....	2,766,894	4,963,557	1.79	37,921,575
1892	....	....	....	....	2,515,367	4,384,838	1.74	35,955,672
1891	....	....	....	....	2,549,975	2,392,798	.94	28,498,224
1890	....	....	....	....	2,462,002	4,305,915	1.75	34,232,024
1889	....	....	....	....	2,386,223	3,728,313	1.56	37,208,564
1888	....	....	....	....	2,292,638	2,009,017	.88	33,570,674
1887	....	....	....	....	2,280,643	3,093,610	1.36	35,947,748
1886	....	....	....	....	2,295,151	2,994,446	1.35	29,016,182
1885	....	....	....	....	2,268,091	3,252,155	1.43	32,033,727
1884	....	....	....	....	2,193,369	3,044,912	1.39	29,109,359
1883	....	....	....	....	2,350,969	4,115,535	1.75	37,122,126
1882	....	....	....	....	1,825,890	2,090,626	1.14	24,125,824
Annual Averages								
1922–1931	550,962	1,330,618	2.42	16,116,800	3,141,888	4,946,462	1.57	54,824,511
1912–1921	168,413	406,540	2.41	6,422,524	3,347,351	4,709,381	1.41	74,803,560
1902–1911	....	....	....	....	*3,072,288	4,722,662	1.54	47,093,908
1892–1901	....	....	....	....	*2,520,783	3,650,840	1.45	29,085,813
1882–1891	....	....	....	....	*2,290,495	3,102,733	1.35	32,086,445
1882–1939	‡428,929	10,288,565	2.40	11,425,736	2,822,944	4,153,771	1.47	45,303,725

*Including Alfalfa. †Exclusive of Alsike and Sweet Clover, previously included. ‡1912-39.

STATISTICS OF FARM CROPS

Field Crops

The following table gives the area, produce and market value and of all Field Crops for the years 1882 to 1939, together with the annual averages for the various periods of ten years and the average for the whole period.

Years	All Field Crops		
	Acres	Value	Per acre
		$	$ c.
1939	9,085,758	150,288,000	16.54
1938	9,088,014	126,158,324	13.88
1937	9,043,201	150,203,348	16.61
1936	9,119,007	162,333,522	17.80
1935	9,106,295	131,260,274	14.41
1934	8,999,999	143,755,962	15.97
1933	9,194,940	124,679,714	13.56
1932	9,225,680	114,150,521	12.37
1931	9,176,062	125,219,586	13.65
1930	10,009,097	173,498,548	17.33
1929	10,020,294	236,651,277	23.62
1928	10,357,960	244,445,136	23.60
1927	10,305,045	256,627,042	24.90
1926	10,434,401	257,686,886	24.70
1925	10,364,317	261,490,292	25.23
1924	10,264,614	264,370,642	25.76
1923	10,296,961	219,114,500	21.28
1922	10,258,613	223,342,150	21.77
1921	10,075,073	222,177,881	22.05
1920	10,108,272	367,608,619	36.37
1929	9,915,884	397,238,400	40.06
1918	9,992,825	363,909,778	36.42
1917	9,718,259	333,353,438	34.30
1916	9,548,876	223,748,948	23.43
1915	9,762,951	210,674,415	21.58
1914	9,621,444	199,152,945	20.70
1913	9,541,537	168,455,253	17.65
1912	9,574,474	185,790,341	19.40
1911	9,718,741	179,974,358	18.52
1910	9,725,684	175,115,742	18.01
1909	9,578,323	167,966,577	17.54
1908	9,621,683	164,077,282	17.05
1907	9,750,615	176,354,759	18.09
1906	8,962,925	144,570,075	16.13
1905	8,897,898	142,804,431	16.05
1904	8,673,525	134,304,690	15.48
1903	8,731,405	136,657,807	15.65
1902	8,677,988	146,421,171	16.87
1901	8,667,512	128,325,648	14.81
1900	8,794,953	114,758,761	13.05
1899	8,753,926	105,771,321	12.08
1898	8,835,272	110,528,947	12.51
1897	8,701,705	106,952,471	12.29
1896	8,511,444	88,900,135	10.44
1895	8,321,173	99,655,895	11.98
1894	8,227,153	94,055,392	11.43
1893	8,054,612	101,886,557	12.65
1892	8,080,206	110,562,493	13.68
1891	7,834,213	130,866,023	16.70
1890	7,912,297	114,382,305	14.46
1889	7,758,583	106,500,799	13.73
1888	7,616,350	124,244,503	16.31
1887	7,429,084	99,583,524	13.40
1886	7,403,281	104,001,865	14.05
1885	7,350,443	110,068,586	14.97
1884	7,203,958	120,615,798	16.74
1883	7,542,623	114,754,141	15.21
1882	7,125,223	136,939,533	19.22
Annual Averages:			
1922–1931	10,148,736	225,244,606	22.19
1912–1921	*9,785,960	*267,211,002	27.31
1902–1911	9,233,879	156,824,689	16.98
1892–1901	8,494,796	106,139,762	12.49
1882–1891	7,517,606	116,195,708	15.48
1882–1939	9,046,080	169,465,299	18.73

*Including Flax, 1918–1921.

No statistics of "mixed grains" were taken previous to 1907, when an acreage of 443,100 was estimated.

STATISTICS OF FARM CROPS

The following table gives the area in Cleared Pasture, Summer Fallow, Orchards and Small Fruits, for the years 1909 to 1939. Strawberries and Vineyard for the years 1925–1939.

Years	Pasture (cleared)	Summer fallow	Orchard	Small fruits	Straw-berries	Vineyard
	acres	acres	acres	acres	acres	acres
1939	2,749,462	188,117	182,230	13,721	9,261	14,898
1938	2,793,291	190.542	184,083	13,832	9,145	14,774
1937	2,782,811	208,486	185,473	13,509	8,691	15,311
1936	2,828,310	197,420	184,218	13,549	8,962	15,318
1935	2,831,416	189,883	186,112	13,380	8,861	14,871
1934	2,908,275	210,525	196,612	13,126	8,253	15,106
1933	2,995,468	215,126	197,246	13,547	8,565	15,328
1932	3,012,529	221,696	203,794	14,059	8,719	15,189
1931	3,039,026	221,174	203,231	14,206	8,012	15,793
1930	3,149,460	247,067	212,232	12,376	7,286	11,586
1929	3,134,614	247,802	214,370	12,367	7,613	11,255
1928	3,000,172	211,015	207,003	12,733	7,773	8,855
1927	3,012,786	212,906	211,225	13,437	7,836	7,905
1926	3,077,424	189,488	215,779	13,672	7,274	7,545
1925	3,193,941	162,649	223,343	14,147	7,185	6,558
1924	3,317,532	179,527	229,708	27,315	....	....
1923	3,472,642	186,123	235,349	27,497	....	....
1922	3,401,033	198,841	239,914	27,242	....	....
1921	3,401,998	260,277	242,921	26,175	....	....
1920	3,432,620	216,377	248,395	25,635	....	....
1919	3,499,802	276,337	257,006	25,244	....	....
1918	3,561,754	248,463	265,678	24,596	....	....
1917	3,509,945	232,679	280,326	21,964	....	....
1916	3,409,581	331,736	280,653	22,817	....	....
1915	3,350,420	226,217	288,825	23,443	....	....
1914	3,302,503	268,714	298,627	23,863	....	....
1913	3,120,146	268,487	306,764	24,360	....	....
1912	3,082,671	278,317	310,096	24,699	....	....
1911	3,116,768	279,220	303,188	25,360	....	....
1910	3,159,712	254,038	298,347	24,384	....	....
1909	3,180,780	231,707	300,364	24,614	....	....

1909–1924 Strawberries and Vineyard included in Small Fruits.

STATISTICS OF FARM CROPS

Alsike and Sweet Clover

The following table gives the area, produce and market value of Alsike and Sweet Clover for the years 1925 to 1939.

Years	Alsike				Sweet Clover			
	Acres	Tons	Per acre	Market value	Acres	Tons	Per acre	Market value
				$				$
1939	82,297	108,000	1.31	751,000	239,370	507,000	2.12	2,618,000
1938	95,405	130,834	1.37	779,778	233,594	496,328	2.12	2,451,863
1937	55,867	76,268	1.37	515,752	191,360	393,800	2.06	1,900,548
1936	78,570	102,277	1.30	711,660	309,407	598,902	1.94	2,977,973
1935	59,071	90,969	1.54	559,749	289,956	693,022	2.39	2,966,209
1934	67,386	73,503	1.09	844,704	284,224	502,960	1.77	4,728,875
1933	92,306	125,844	1.36	882,624	303,072	630,039	2.08	3,244,726
1932	95,113	143,668	1.51	918,106	318,552	705,119	2.21	3,701,809
1931	97,128	152,516	1.57	1,276,341	306,067	669,446	2.19	4,519,783
1930	141,480	206,020	1.46	2,010,571	338,234	704,281	2.08	5,363,894
1929	189,848	289,560	1.53	2,958,780	388,106	803,576	2.07	6,595,169
1928	155,867	235,325	1.51	2,457,119	413,468	924,608	2.24	7,067,707
1927	176,870	290,345	1.64	2,991,247	400,296	927,342	2.32	7,075,797
1926	129,477	179,664	1.39	2,217,556	365,102	810,852	2.22	7,222,221
1925	177,382	259,649	1.46	2,855,850	344,114	792,340	2.30	7,144,050

STATISTICS OF FARM CROPS

Ratios of Area under Crop

The following table shows the number of acres under the various crops per 1,000 acres of cleared land for the years 1882 to 1939, together with the annual averages for the various periods of ten years and for the whole term of years.

Year	Fall Wheat	Spring Wheat	Barley	Oats	Peas	Beans	Rye	Buckwheat	Corn	Potatoes	*Roots	Hay and Clover	Mixed Grains
1939	48.2	5.4	34.3	149.2	3.4	4.1	5.0	11.0	34.0	9.3	9.1	157.5	60.0
1938	48.4	5.7	35.5	147.7	3.4	3.9	4.8	12.0	32.8	9.5	8.3	159.3	58.0
1937	46.9	6.1	36.3	147.8	3.8	3.7	4.9	12.7	31.5	9.8	8.3	161.5	58.1
1936	33.5	6.4	34.1	154.2	4.4	3.7	3.5	12.9	31.0	9.5	8.8	165.0	62.6
1935	36.5	6.5	34.4	156.2	4.5	3.7	3.9	12.3	32.4	9.8	9.1	166.2	60 9
1934	28.0	6.4	32.0	157.5	4.5	3.3	3.7	14.1	31.9	10.8	9.1	172.6	62.0
1933	36.8	6.4	30.4	152.4	3.9	3.4	3.6	13.6	27.8	10.4	8.7	182.3	62.3
1932	35.3	6.6	30.1	154.1	3.9	4.1	3.8	13.0	27.4	10.3	8.8	183.2	65.0
1931	34.6	6.5	28.8	153.5	3.9	5.0	4.1	11.8	25.6	11.1	9.2	188.3	66.7
1930	44.6	6.5	40.2	162.6	5.3	4.4	3.5	18.1	29.1	10.5	9.4	187.7	63.1
1929	45.6	7.0	41.0	154.0	5.2	4.2	3.4	19.4	26.9	9.8	9.3	192.2	58.9
1928	45.8	7.2	40.6	175.5	7.3	3.4	4.4	17.9	27.0	12.0	10.1	185.5	59.8
1927	49.6	7.9	34.0	177.7	7.0	3.1	4.8	16.5	28.4	10.6	9.5	187.1	52.8
1926	53.4	7.6	29.7	187.3	6.5	3.4	5.7	15.5	36.2	10.2	9.8	191.1	51.0
1925	49.5	7.5	28.9	187.9	8.8	4.0	6.5	17.1	38.5	10.8	9.8	234.7	45.1
1924	47.9	6.7	29.1	191.7	8.7	3.5	8.4	15.9	44.2	11.2	9.6	235.1	42.8
1923	47.6	7.4	30.1	197.1	7.8	2.7	8.2	15.3	46.2	10.9	8.3	238.9	43.1
1922	54.2	8.3	28.9	202.1	7.0	2.7	10.2	13.2	46.9	11.5	8.4	238.1	36.8
1921	41.4	10.2	30.8	206.1	7.1	1.8	8.2	9.9	45.9	10.9	8.8	236.5	41.2
1920	51.0	17.9	32.4	192.5	7.3	1.5	8.9	9.6	46.3	10.5	10.4	247.1	38.9
1919	41.6	24.2	38.2	179.5	8.5	1.5	9.4	12.0	41.7	10.6	9.9	245.3	42.2
1918	24.5	23.8	44.6	197.6	7.7	6.8	7.6	15.1	38.9	11.2	10.3	244.2	41.9
1917	39.8	12.4	37.4	187.6	6.1	7.5	9.0	10.4	52.3	10.0	11.4	240.9	35.0
1916	47.9	9.8	35.9	183.0	6.5	3.7	10.1	15.6	47.5	9.5	10.8	236.2	33.1
1915	55.5	11.1	37.8	196.4	8.7	4.3	11.9	13.2	51.5	11.9	11.9	221.0	32.5
1914	47.0	8.1	39.7	190.2	12.2	3.5	9.5	12.1	48.6	11.5	11.5	234.0	31.3
1913	44.5	8.0	43.0	186.0	12.2	4.6	8.2	15.7	47.4	11.0	12.0	236.2	28.5
1912	52.6	8.5	44.8	180.1	15.3	4.8	7.4	14.3	47.0	11.0	12.8	233.1	31.0
1911	58.2	9.3	42.9	187.7	21.2	3.6	6.9	13.1	44.8	11.3	13.4	229.6	33.8
1910	51.9	9.0	43.7	192.5	28.2	3.5	6.6	13.6	45.2	11.8	14.5	223.7	34.8
1909	46.5	9.5	48.8	189.0	26.7	3.2	6.6	12.4	42.9	11.9	14.5	226.5	33.3
1908	48.1	10.1	51.9	196.3	28.1	3.3	6.2	9.9	37.7	11.8	14.9	230.2	32.3
1907	47.9	10.2	54.3	207.7	24.1	3.4	4.8	8.0	38.2	12.6	15.1	233.0	31.4
1906	55.8	12.2	53.6	192.6	29.1	3.6	5.7	7.5	33.3	9.7	14.7	217.6	.....
1905	57.2	13.6	55.5	191.5	26.9	3.6	7.3	7.3	34.4	9.5	15.1	216.8	.....
1904	43.8	16.3	55.9	192.2	24.6	3.7	9.5	7.3	37.9	9.7	15.3	211.9	.....
1903	48.8	18.2	52.0	193.4	29.9	3.9	13.1	7.0	43.2	10.2	16.4	204.0	.....
1902	55.2	22.3	48.8	184.3	39.2	4.0	13.9	6.9	42.9	10.7	16.3	195.0	.....
1901	67.8	26.6	47.4	179.3	44.9	4.0	11.8	6.6	38.8	11.5	16.1	190.3	.....
1900	80.4	28.3	43.4	180.4	49.8	3.3	10.7	7.7	38.4	12.3	16.7	190.0	.....
1899	80.1	30.4	37.4	180.3	56.7	3.1	10.5	10.1	38.6	12.8	16.6	191.1	.....
1898	80.7	30.0	33.8	182.9	66.6	3.4	12.7	11.5	40.1	13.1	16.4	188.8	.....
1897	73.9	25.2	35.1	189.3	69.8	3.9	14.6	11.8	42.3	13.2	15.7	182.2	.....
1896	69.2	20.2	36.5	191.4	65.5	5.4	11.7	11.5	39.2	14.1	15.4	191.5	.....
1895	59.8	18.0	38.5	191.0	64.4	5.8	9.7	10.9	36.4	14.9	16.0	204.2	.....
1894	63.4	18.7	39.6	190.6	63.9	4.8	7.3	11.8	30.8	13.6	15.2	209.6	.....
1893	75.5	29.4	38.6	159.9	61.0	4.0	5.6	11.0	25.9	11.8	13.9	228.4	.....
1892	80.6	54.3	41.7	155.3	64.6	2.8	6.1	10.4	22.8	12.2	13.4	209.8	.....
1891	72.0	43.3	46.9	156.0	63.8	3.5	5.7	9.1	20.4	13.6	13.4	216.1	.....
1890	61.8	51.6	60.2	161.5	67.0	3.4	8.8	7.7	19.2	13.6	12.7	211.2	.....
1889	71.6	34.7	76.3	167.6	61.7	1.9	7.9	4.9	16.3	12.7	12.5	208.0	.....
1888	73.2	32.5	79.2	163.6	61.6	2.0	7.4	5.1	19.7	13.6	12.9	202.8	.....
1887	80.8	43.6	69.1	151.5	65.4	1.9	6.2	5.8	14.7	12.6	11.9	205.3	.....
1886	81.0	52.8	67.3	148.3	64.4	1.9	6.2	6.5	14.3	12.8	11.5	209.8	.....
1885	80.6	73.6	55.1	142.2	59.5	2.3	7.2	5.7	15.5	14.7	11.7	208.9	.....
1884	80.5	67.2	65.2	138.0	53.2	2.3	9.6	6.7	16.3	15.7	12.4	204.3	.....
1883	104.1	55.6	71.8	134.6	51.5	2.5	17.8	6.4	20.3	15.8	12.0	223.1	.....
1882	116.8	57.7	83.4	136.4	55.1	1.9	18.2	4.9	20.3	15.8	10.3	179.5	.....
Annual Averages:													
1922–1931	47.3	7.3	33.1	178.9	6.7	3.6	5.9	16.1	34.9	10.9	9.3	207.8	52.0
1912–1921	44.5	13.4	38.4	189.9	9.1	4.0	9.0	12.9	46.6	10.0	11.0	237.5	35.6
1902–1911	51.3	13.0	50.7	192.8	27.7	3.6	8.0	9.4	40.1	10.9	15.8	219.0	†33.1
1892–1901	73.2	28.0	39.2	180.2	60.5	4.1	10.1	10.3	35.5	12.9	15.6	198.2	.....
1882–1891	81.6	50.9	67.2	150.4	60.5	2.4	9.4	6.2	17.7	14.0	12.2	207.1	.....
1882–1939	55.1	18.6	42.9	175.6	26.5	3.6	7.7	11.5	35.1	11.5	12.5	205.1	‡46.6

*Mangels, turnips and sugar beets. †1907–1911. ‡1907–1939.

STATISTICS OF FARM CROPS

MARKET PRICES

The following table gives the average Market Prices of Agricultural Products for the years 1882 to 1939, together with the annual averages for the various periods of ten years and for the whole term of years.

Years	Fall Wheat per bush.	Spring Wheat per bush.	Oats per bush.	Barley per bush.	Peas per bush.	Beans per bush.	Rye per bush.	Buckwheat per bush.	Corn (shelled) per bush.	Hay per ton	Potatoes per cwt.
	cents	cents	cents	cents	cents	$ c.	cents	cents	cents	$ c.	cents
1939..........	64.0	66.0	34.0	46.0	177.0	2.25	58.0	52.0	55.0	7.61	113.0
1938..........	56.0	58.0	27.9	40.8	150.0	1.00	43.5	41.1	43.0	6.92	77.8
1937..........	103.9	102.4	42.1	58.5	156.0	1.07	78.0	59.6	60.5	7.14	60.4
1936..........	109.0	108.0	48.0	80.0	155.0	2.02	84.0	69.0	68.0	8.79	135.0
1935..........	71.0	73.0	28.0	40.0	95.0	1.45	40.0	40.0	45.0	7.08	100.0
1934..........	88.0	85.0	35.0	50.0	85.0	1.27	55.0	47.0	65.0	12.62	55.0
1933..........	66.0	67.0	33.0	41.0	80.0	.92	51.0	42.0	56.0	8.41	100.0
1932..........	46.0	45.0	25.0	36.0	65.0	.49	37.0	35.0	45.0	7.24	69.0
1931..........	51.6	50.9	25.0	36.5	62.6	.58	41.9	42.3	39.8	8.43	39.3
1930..........	66.3	65.5	29.7	35.9	104.8	1.44	48.5	51.7	69.3	10.42	99.5
1929..........	124.0	125.2	62.4	76.5	163.0	3.03	97.1	83.2	100.2	11.28	180.0
1928..........	122.0	119.2	55.5	74.2	152.8	3.83	95.2	81.5	102.2	11.23	93.0
1927..........	124.7	122.1	57.3	77.6	149.8	2.35	95.3	77.9	99.5	11.02	147.0
1926..........	125.1	125.1	51.8	68.0	150.6	2.34	87.2	77.0	80.3	12.75	188.2
1925..........	133.6	133.0	45.2	68.1	135.5	2.11	87.1	73.2	88.6	11.61	228.2
1924..........	133.9	137.0	54.2	82.2	151.1	2.29	107.5	86.7	105.3	10.91	89.2
1923..........	96.2	96.3	45.4	62.8	144.8	2.43	73.7	73.2	75.5	11.05	124.7
1922..........	104.6	105.1	43.5	61.3	140.3	2.54	78.4	73.5	69.9	12.03	85.0
1921..........	110.5	109.4	50.4	65.7	153.0	2.35	82.6	74.0	59.1	19.27	147.0
1920..........	193.4	183.8	58.2	93.8	193.3	2.88	142.0	105.5	99.6	24.25	165.3
1919..........	237.2	240.9	97.7	145.8	263.9	4.00	159.1	140.7	162.3	22.68	275.3
1918..........	210.9	208.6	75.0	103.6	217.7	4.49	151.7	135.0	157.4	18.13	165.5
1917..........	209.8	209.7	77.9	125.7	321.0	6.91	162.6	142.9	186.0	11.81	205.3
1916..........	161.3	162.2	66.0	101.9	210.5	5.46	118.8	109.0	111.5	10.60	216.8
1915..........	97.1	98.6	39.5	56.0	161.6	3.11	78.9	71.5	68.1	14.51	135.7
1914..........	109.1	107.9	49.5	64.3	136.6	2.14	84.9	71.5	68.6	14.55	73.3
1913..........	85.0	87.9	36.9	55.5	100.6	1.70	66.2	63.5	64.5	13.07	106.2
1912..........	91.7	90.0	38.6	58.7	110.3	1.93	70.0	54.5	55.8	11.77	106.2
1911..........	86.6	90.7	44.2	73.9	98.2	1.90	84.9	60.4	66.3	13.16	140.3
1910..........	86.6	89.6	35.0	52.0	80.7	1.55	63.2	50.0	56.0	9.91	82.0
1909..........	102.3	100.6	39.5	54.8	84.6	1.61	67.4	53.4	64.4	12.81	60.8
1908..........	89.2	90.8	40.3	52.4	82.7	1.48	69.7	54.2	60.0	10.25	79.8
1907..........	92.7	86.4	48.8	59.4	78.0	1.52	69.4	57.4	42.6	15.11	97.2
1906..........	70.7	68.9	34.0	45.0	70.6	1.39	60.9	49.5	56.4	9.10	89.7
1905..........	76.5	74.9	33.6	42.9	65.3	1.32	56.8	50.0	55.4	7.72	76.7
1904..........	98.7	94.2	32.3	43.7	63.0	1.22	57.6	48.6	56.1	7.97	84.5
1903..........	75.1	74.4	29.3	42.1	64.3	1.41	48.6	44.3	55.4	7.94	73.5
1902..........	70.7	69.6	34.8	45.1	71.0	1.35	50.5	48.0	60.9	8.15	94.3
1901..........	66.1	66.8	36.2	45.0	65.3	1.25	49.3	48.4	57.0	7.99	71.0
1900..........	66.4	67.5	26.5	38.9	57.1	1.00	48.5	43.7	47.6	8.48	43.5
1899..........	66.7	66.5	27.7	39.5	57.3	1.08	50.0	45.5	29.7	7.72	54.7
1898..........	69.4	69.2	25.8	38.0	52.2	.70	43.5	38.2	30.2	6.22	73.5
1897..........	78.2	78.6	22.6	27.0	42.1	.65	37.7	30.0	29.6	7.18	66.5
1896..........	71.0	70.6	20.0	31.6	44.0	.68	36.6	30.5	29.4	9.68	43.5
1895..........	69.3	69.8	29.1	40.4	54.8	.95	45.6	36.8	33.9	12.30	33.7
1894..........	55.0	55.5	30.8	40.5	53.6	1.10	44.2	39.2	39.2	7.56	59.0
1893..........	59.9	59.4	33.2	40.1	54.0	1.18	47.5	41.8	39.8	7.64	65.8
1892..........	70.7	67.8	30.8	41.3	59.0	.99	55.8	42.2	39.5	8.20	84.0
1891..........	95.1	92.9	36.5	49.1	63.8	1.06	72.3	44.1	46.7	11.91	54.3
1890..........	94.2	91.3	41.1	50.2	60.3	1.29	52.7	43.0	45.8	7.95	74.0
1889..........	88.4	88.1	30.5	44.0	55.7	1.27	50.9	39.5	38.9	9.98	75.8
1888..........	102.4	99.3	40.5	60.1	65.4	1.14	60.2	49.3	44.0	16.17	52.8
1887..........	78.4	78.0	34.6	56.7	55.9	.98	49.5	45.0	43.1	11.62	104.7
1886..........	73.6	72.5	32.0	51.3	52.6	.84	52.2	33.7	41.4	9.69	74.8
1885..........	81.5	80.6	31.5	55.2	58.0	.80	55.2	39.2	41.9	9.85	68.5
1884..........	80.5	81.4	33.1	53.6	64.4	1.18	59.7	40.0	67.5	9.56	66.7
1883..........	105.0	107.0	38.0	57.0	71.0	......	62.0	......	......	9.02	103.3
1882..........	101.0	106.0	43.0	65.0	74.0	1.97	64.0	40.0	60.0	11.54	106.7
Annual Averages											
1922–1931	110.6	108.5	47.1	64.2	139.3	2.23	83.2	73.3	81.6	11.08	121.0
1912–1921	144.5	171.6	58.5	86.0	172.3	2.35	111.4	94.4	93.5	15.88	150.2
1902–1911	83.6	81.2	36.7	50.1	74.8	1.48	60.2	52.4	57.3	9.97	85.7
1892–1901	67.8	67.5	27.9	38.5	53.5	.93	44.9	38.7	37.5	7.97	56.0
1882–1891	90.0	89.6	34.3	54.5	61.6	1.16	60.0	41.5	......	10.34	75.0
1882–1939	94.8	96.5	41.6	57.7	71.8	1.81	72.2	63.5	*63.3	10.91	96.1

*Average for 48 years, 1892-1939.

STATISTICS OF LIVE STOCK

NUMBER OF LIVE STOCK ON HAND

The following table gives the number of Horses, Cattle, Sheep, Swine and Poultry on hand in June of each year for the fifty-eight years, 1882–1939.

Years	Horses	Cattle	Sheep	Swine	Poultry
	No.	No.	No.	No.	No.
1939	559,468	2,488,041	846,912	1,546,095	22,841,667
1938	560,711	2,492,258	858,262	1,430,309	22,420,047
1937	557,845	2,453,081	874,769	1,457,886	22,536,141
1936	562,916	2,474,194	886,515	1,408,308	22,958,383
1935	562,877	2,469,231	945,738	1,225,310	22,961,834
1934	563,657	2,494,471	962,325	1,177,913	22,802,578
1933	567,093	2,522,180	1,000,872	1,257,870	22,991,456
1932	578,615	2,528,615	1,039,692	1,375,115	22,929,143
1931	578,157	2,509,205	1,044,355	1,359,176	23,736,125
1930	606,719	2,675,488	1,134,457	1,661,556	22,560,260
1929	606,505	2,671,594	1,130,395	1,681,263	22,045,091
1928	609,249	2,682,053	1,014,106	1,833,538	19,703,576
1927	617,136	2,709,954	956,267	1,883,177	19,048,045
1926	629,659	2,757,799	886,483	1,735,355	17,693,000
1925	644,138	2,809,373	868,526	1,678,595	17,778,581
1924	663,875	2,917,302	870,279	1,807,903	16,751,345
1923	673,371	2,838,087	907,673	1,734,734	15,203,384
1922	685,852	2,836,181	986,617	1,553,434	13,964,317
1921	694,237	2,890,113	1,081,828	1,563,807	11,458,206
1920	704,640	2,881,827	1,129,084	1,614,356	11,005,645
1919	719,569	2,927,191	1,101,740	1,695,487	11,705,809
1918	732,977	2,867,722	972,341	1,656,386	12,281,105
1917	765,873	2,827,609	956,986	1,664,639	13,606,292
1916	775,732	2,734,767	908,066	1,735,254	14,377,844
1915	779,131	2,674,746	908,095	1,769,295	14,273,091
1914	774,544	2,604,628	922,375	1,770,533	14,175,214
1913	751,726	2,628,845	996,155	1,618,734	13,511,383
1912	742,139	2,624,780	1,021,848	1,702,652	13,024,938
1911	737,916	2,593,205	1,040,245	1,744,983	12,942,293
1910	724,384	2,567,128	1,065,101	1,561,042	12,460,787
1909	728,308	2,668,584	1,130,667	1,551,187	12,086,580
1908	726,471	2,824,859	1,143,898	1,818,763	12,285,613
1907	725,666	2,926,236	1,106,083	2,049,666	13,428,076
1906	688,147	2,963,618	1,304,809	1,819,778	10,254,824
1905	672,781	2,889,503	1,324,153	1,906,460	9,738,493
1904	655,554	2,776,304	1,455,482	2,008,984	9,412,683
1903	639,581	2,674,261	1,642,627	1,977,386	9,683,573
1902	626,106	2,562,584	1,715,513	1,684,635	9,762,808
1901	620,343	2,507,620	1,761,799	1,491,885	9,745,236
1900	617,309	2,429,330	1,797,213	1,771,641	9,541,241
1899	615,524	2,318,355	1,772,604	1,971,070	9,344,024
1898	611,241	2,215,943	1,677,014	1,640,787	9,084,273
1897	813,670	2,182,326	1,690,350	1,284,963	8,435,341
1896	624,749	2,181,958	1,849,348	1,269,631	7,734,167
1895	647,696	2,150,103	2,022,735	1,299,072	7,752,840
1894	674,777	2,099,301	2,015,805	1,142,133	7,552,662
1893	685,187	2,057,882	1,935,938	1,012,022	7,114,436
1892	688,814	2,029,140	1,850,473	996,974	7,078,973
1891	678,459	1,978,815	1,693,751	1,156,316	7,006,090
1890	659,636	1,894,712	1,339,695	1,140,559	6,854,864
1889	618,795	1,891,899	1,344,180	835,469	6,304,298
1888	596,218	1,928,638	1,349,044	819,079	6,164,114
1887	575,361	1,948,264	1,396,161	832,817	6,438,361
1886	569,649	2,018,173	1,610,949	860,125	6,968,915
1885	558,809	1,976,480	1,755,605	822,262	6,336,805
1884	535,953	1,925,670	1,890,733	916,158	6,237,606
1883	560,133	1,828,613	1,868,784	906,727	5,847,344
1882	503,604	1,586,312	1,915,303	850,226	5,352,120

VALUE OF LIVE STOCK ON HAND

The following table gives the value of Horses, Cattle, Sheep, Swine and Poultry on hand in June of each year for the fifty-eight years, 1882–1939, except for the ten years, 1882–1891, when farm live stock was valued in bulk.

Years	Horses	Cattle	Sheep	Swine	Poultry	Total
	$	$	$	$	$	$
1939	63,494,747	90,905,107	5,666,615	17,066,957	14,448,250	191,581,676
1938	54,709,549	88,251,957	5,805,219	18,751,968	13,698,332	181,217,025
1937	57,286,273	93,360,874	6,088,540	15,462,386	13,989,813	186,187,886
1936	61,229,630	76,949,305	5,790,872	13,313,339	12,416,378	169,699,524
1935	57,946,376	72,031,320	5,488,972	12,348,955	11,987,918	159,803,541
1934	54,492,559	66,581,103	5,335,210	10,971,007	11,631,434	149,011,313
1933	49,889,016	69,379,352	5,533,134	8,732,796	12,036,762	145,571,060
1932	43,507,517	78,323,693	5,111,312	7,219,718	10,418,176	144,580,416
1931	50,528,572	91,834,417	6,652,107	11,987,324	10,729,925	171,732,345
1930	60,606,827	136,496,344	10,835,770	18,643,164	13,372,682	239,954,787
1929	66,603,793	150,480,760	12,457,554	20,430,803	13,473,814	263,446,724
1928	67,085,352	128,937,680	11,209,872	19,808,890	12,452,203	239,493,997
1927	66,724,527	117,162,152	10,433,761	24,159,535	12,333,645	231,145,720
1926	68,239,756	115,386,214	9,688,685	24,525,126	12,400,985	230,240,766
1925	69,787,791	115,844,069	9,576,722	24,424,238	13,527,454	233,160,274
1924	72,617,565	113,046,599	7,081,500	16,201,699	13,446,621	222,393,984
1923	74,542,351	109,467,066	6,597,087	19,018,668	12,401,083	222,026,255
1922	74,535,855	103,899,416	6,612,959	16,550,636	12,241,252	213,840,118
1921	75,680,750	103,861,565	8,207,564	19,205,488	11,168,318	218,123,685
1920	89,606,594	176,897,490	16,191,741	32,253,804	11,787,708	326,737,337
1919	92,823,683	184,041,594	18,128,240	33,263,051	11,351,364	339,607,932
1918	95,710,928	172,259,261	15,690,055	31,140,181	9,307,051	324,107,476
1917	99,439,558	150,309,828	9,946,030	21,464,366	8,517,195	289,676,977
1916	101,434,391	128,324,526	7,386,710	18,790,755	7,933,157	263,869,539
1915	107,982,037	115,363,336	6,403,907	17,562,726	7,670,326	254,982,332
1914	112,576,793	106,635,148	6,155,451	17,951,258	7,551,428	250,870,078
1913	113,240,047	95,759,022	6,242,672	15,393,192	6,956,952	237,591,885
1912	109,000,214	90,403,902	6,181,595	14,141,908	6,121,323	225,848,942
1911	103,373,206	84,634,962	6,213,021	14,593,917	5,905,318	214,720,424
1910	92,757,431	76,872,723	6,127,018	13,265,834	5,393,031	194,416,037
1909	87,682,689	75,247,197	6,262,493	11,144,135	4,411,386	184,747,900
1908	85,847,391	77,255,267	6,336,265	12,135,979	4,439,854	186,014,756
1907	85,041,144	79,485,780	5,928,325	14,174,502	4,854,381	189,484,132
1906	79,814,953	80,303,276	6,721,119	12,770,708	3,697,338	183,307,394
1905	73,911,177	76,764,482	6,191,774	12,280,667	3,335,660	172,483,760
1904	68,138,228	72,821,003	6,425,100	12,921,743	3,077,029	163,383,103
1903	61,811,456	69,289,924	7,228,498	13,023,743	2,973,646	154,327,267
1902	55,173,637	63,517,342	7,634,284	11,262,265	2,957,286	140,544,814
1901	50,038,465	59,527,119	7,772,793	9,298,712	2,859,172	129,496,261
1900	46,916,999	56,320,810	7,711,496	9,598,153	2,727,363	123,274,821
1899	42,713,557	52,938,500	7,315,729	10,180,338	2,658,321	115,806,445
1898	38,659,896	47,286,254	6,499,695	8,720,242	2,578,136	103,744,223
1897	36,111,805	42,683,557	6,003,194	6,533,210	2,318,038	93,649,804
1896	37,185,692	44,383,638	6,652,202	6,505,227	2,130,807	96,857,566
1895	40,283,754	46,708,017	7,708,442	7,101,211	2,156,623	103,958,047
1894	46,245,614	47,577,587	8,606,671	6,909,262	2,208,518	111,547,652
1893	50,527,472	47,718,025	9,016,118	6,622,129	2,187,158	116,070,902
1892	55,812,920	45,548,475	8,569,557	5,479,093	2,091,450	117,501,495
1891	....	....	....	....	....	108,721,076
1890	....	....	....	....	....	104,086,626
1889	....	....	....	....	....	105,731,288
1888	....	....	....	....	....	102,839,235
1887	....	....	....	....	....	104,406,655
1886	....	....	....	....	....	107,208,935
1885	....	....	....	....	....	100,690,086
1884	....	....	....	....	....	103,106,829
1883	....	....	....	....	....	100,082,365
1882	....	....	....	....	....	80,540,720

VALUES PER HEAD OF LIVE STOCK AND POULTRY ON HAND FOR THE YEARS 1892 TO 1939

Years	Horses all Ages	Cattle		Sheep and Lambs	Swine all Ages	Poultry all Kinds
		Milch Cows	Other Cattle			
	$	$ c.	$ c.	$ c.	$ c.	$ c.
1939	113	49 42	24 86	6 69	11 04	63
1938	98	46 75	28 39	6 76	13 11	61
1937	103	47 96	28 92	6 96	10 60	62
1936	109	43 40	19 86	6 53	9 45	54
1935	103	40 56	18 71	5 80	10 08	52
1934	97	36 94	17 53	5 54	9 31	51
1933	88	38 41	17 87	5 73	6 94	52
1932	75	43 42	20 18	4 92	5 25	45
1931	87	52 79	22 49	6 37	8 81	45
1930	100	73 11	32 42	9 55	11 22	59
1929	110	80 34	35 61	11 02	12 15	61
1928	110	68 33	30 09	11 05	10 80	63
1927	108	60 92	27 05	10 91	12 83	65
1926	108	59 14	26 84	10 93	14 13	70
1925	108	58 55	27 70	11 03	14 55	76
1924	109	55 41	27 05	8 14	8 96	80
1923	111	55 24	25 14	7 27	10 96	82
1922	109	52 68	24 25	6 70	10 65	88
1921	109	51 56	24 77	7 59	12 28	97
1920	127	85 84	44 67	14 34	19 98	1 07
1919	129	88 71	46 37	16 45	19 62	97
1918	131	83 55	45 52	16 14	18 80	76
1917	130	75 54	39 55	10 39	12 89	63
1916	131	66 35	34 91	8 13	10 83	55
1915	139	60 83	32 18	7 05	9 93	54
1914	145	57 01	30 81	6 67	10 14	53
1913	151	50 56	27 29	6 27	9 51	51
1912	147	47 82	25 61	6 05	8 31	47
1911	140	45 31	24 07	5 97	8 36	46
1910	128	40 76	22 43	5 75	8 50	43
1909	120	38 19	21 45	5 54	7 18	37
1908	118	36 90	21 13	5 54	6 67	36
1907	117	36 43	21 15	5 36	6 92	36
1906	116	35 99	21 62	5 15	7 02	36
1905	110	35 06	21 29	4 68	6 44	34
1904	104	34 70	20 84	4 41	6 43	33
1903	97	34 15	20 58	4 40	6 59	31
1902	88	32 96	19 46	4 45	6 69	30
1901	81	31 74	18 57	4 41	6 23	29
1900	76	31 01	17 93	4 29	5 42	29
1899	69	30 31	17 41	4 13	5 16	28
1898	63	28 28	15 98	3 88	5 31	28
1897	59	26 13	14 58	3 55	5 08	27
1896	60	27 60	15 05	3 60	5 12	28
1895	62	29 74	16 08	3 81	5 47	28
1894	69	31 02	17 15	4 27	6 05	29
1893	74	31 63	17 78	4 66	6 54	31
1892	81	29 95	17 69	4 63	5 50	30

THIRTY-EIGHTH ANNUAL REPORT

OF THE

Temiskaming and Northern Ontario Railway Commission

ONTARIO GOVERNMENT RAILWAY
HONOURABLE MITCHELL F. HEPBURN, Premier

FOR THE YEAR ENDED
March 31st, 1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 23, 1940

ONTARIO

TORONTO
Printed and Published by T. E. BOWMAN, Printer to the King's Most Excellent Majesty
1940

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

TO THE HONOURABLE ALBERT MATTHEWS,

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to Your Honour the Thirty-Eighth Annual Report of the Temiskaming and Northern Ontario Railway Commission, for the year ended March 31st, 1939.

Respectfully submitted,

M. F. HEPBURN,

Prime Minister and President of the Council.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION

To The Honourable Mitchell F. Hepburn,
Premier, Province of Ontario,
Toronto, Ontario.

Sir:

In conformity with Section 36 of the Temiskaming and Northern Ontario Railway Act, Chapter 55, Revised Statutes of Ontario, 1937, I have the honour of submitting the Thirty-Eighth Annual Report of the Temiskaming and Northern Ontario Railway Commission and its subsidiary the Nipissing Central Railway Company for the fiscal year ended March 31st, 1939, together with the Auditors' report as prepared by Messrs. Black, Hanson and Company, Chartered Accountants.

RESULT OF OPERATIONS

		Year Ended March 31, 1939	Year Ended March 31, 1938
	Operating Revenues	$ 5,041,251.77	$ 5,236,627.02
	Operating Expenses	3,637,627.08	3,444,819.44
	Net Operating Revenues	1,403,624.69	1,791,807.58
	Operating Ratio	72.15%	65.77%
	Non-operating Income	33,662.84	50,832.93
	Gross Income	1,437,287.53	1,842,640.51
(a)	Deductions from Gross Income	535,281.75	576,244.21
	To Profit and Loss Account	902,005.78	1,266,396.30
(b)	Adjustments—Net Debit	60,303.69	58,140.16
	Net Profit for Year	841,702.09	1,208,256.14
	Previous Surplus	2,630,386.33	1,422,130.19
	Surplus—End of Year	3,472,088.42	2,630,386.33

Note (a).—Deductions from Gross Income include Hire of Freight Cars debit balance, Joint Facility Rents, Interest, etc.

Note (b).—Adjustments—net debit—include amounts written off account Road and Equipment Retired, Doubtful Accounts, and similar items.

OPERATING REVENUES.

Freight Revenue declined $173,314.91 or 4.8%. Passenger Revenue also declined $53,040.51 or 5.8%. Telegraph Revenue was also at a lower level, while Telephone Revenues show an increase. The total net decline in Operating Revenues was $195,376.25 or 3.7%.

OPERATING EXPENSES.

Operating Expenses increased by $192,807.64, equal to 5.3%. This increase is mainly attributable to greater expenditures on maintenance of track, buildings and rolling stock.

NET PROFIT.

As a result of reduced receipts with no diminution of expenses for maintenance, the net profits for the year were reduced from $1,208,256.14 to $841,702.09, a reduction of $366,554.05 or 30%. It may be noted that this net profit remains after paying interest on the Commission's Bond Issue of $6,000,000.00 and interest on current bank loan. Under all the conditions existing, the net result may be considered reasonably satisfactory.

FINANCIAL.

During the year under review, the current bank loan was reduced from $4,425,000.00 to $3,825,000.00—a reduction of $600,000.00. Debentures due February 1st, 1939, to the extent of $107,000.00 were also retired, making total debt reduction for the year of $707,000.00. In addition to this, necessary capital expenditures were financed out of current revenues.

EQUIPMENT AND FACILITIES.

The principle items of capital expenditure for additional equipment and facilities during the year were a new Bus Garage at Kirkland Lake; new Coaling Plant at Swastika and three new Highway Busses.

PROSPECTIVE TRAFFIC.

At the time of writing the outlook for the current year is bright particularly with regard to freight traffic. There is every indication that total revenues in 1939 will materially exceed receipts for 1938. Passenger traffic however continues to decline and with highway improvements being made, this condition tends to become permanent. It is not likely that passenger traffic will ever again equal the travel of a few years ago. Certainly there is no present indication of improvement in this branch of the service. Telegraph and Telephone earnings are satisfactory.

GENERAL.

The fiscal year ended March 31st, 1939, which covers most of the calendar year of 1938, was notable for quieter business conditions generally. These less active business conditions were reflected in the earnings of all railways and this Railway was no exception.

The decline in business first became apparent in October 1937 and continued throughout the year 1938. An upward movement commenced early in 1939, but the gain was not sufficient to offset losses in the earlier months of the fiscal year under review.

During the year, a great deal of study was given to a revision of Pension Regulations, which finally led to the adoption of a Contributory Pension Plan, which became effective May 1st, 1939, It is satisfactory to report that this Plan had the approval of all the Labour Organizations with which we have contracts, and has received the support of a vast majority of the employees as individuals.

Economic conditions throughout the territory served are satisfactory. Forest products, including lumber, pulpwood, wood pulp and paper are again moving in good volume. Prospecting is quiet but established mines are prosperous and a number of new properties have come into production. Building construction is active and retail trade is good.

Preliminary work looking to the development of lignite deposits near Onakawana has been commenced by the Commission with every indication of becoming an important factor in the economic life of Northern Ontario.

Respectfully submitted,

M. Lang,
Chairman.

BLACK, HANSON & CO.
Chartered Accountants

Port Arthur, Ontario, July 29, 1939.

Malcolm Lang, Esq., Chairman,
Temiskaming and Northern Ontario Railway Commission,
North Bay, Ontario.

Dear Sir:

In accordance with our appointment, we have examined the books and records of the Temiskaming and Northern Ontario Railway and The Nipissing Central Railway for the year ended 31st March, 1939 and we now submit Balance Sheets of the two Railways as at that date.

The terms of our appointment did not make provision for a fully detailed audit and the work which we have done, therefore, consisted to a major extent of tests of various portions of the records for limited periods.

We submit the following explanatory report on the various items appearing on the Balance Sheets.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY

INVESTMENT

The Cost of Road, $33,949,958.10, includes all expenditures on right of way, track and roadbed, shop machinery, tools, real estate and buildings. No provision has been made for depreciation of any of the assets included in this caption. The increase in value during the year amounting to $73,806.60 consists of:—

Expenditure on Additions to Road—Stations, Machinery, Telegraph and Telephone Lines, etc.		$227,067.43
Less Road and Machinery retired and written off	$ 75,039.89	
Caterpillar Shovel transferred to Equipment	29,052.44	
Sales of Land	980.92	
Loss on Sale of James Bay Inn	48,187.58	
		153,260.83
Net Increase		$ 73,806.60

We commented in our report of July 19, 1938 regarding the sale of the James Bay Inn and it will be noted, with reference to the above statement, that the loss on the sale of the Inn has been written off. No further collections were made from the purchaser during the year under review and the balance of $8,000.00 owing on the sale price is still included in the Cost of Road. The Inn was destroyed by fire in April, 1939 and the matter will be subject to adjustment during the current year.

Railway Equipment, $6,545,588.80, represents the cost of Rolling Stock and shows an increase of $67,235.92 which consists of:—

Caterpillar Shovel transferred from Road Account	$ 29,052.44
Rebuilding and Air Conditioning Cafe Car	47,154.99
New Motor Busses	14,296.80
Sundry Expenditures	6,125.64
	$ 96,629.87
Less Equipment Retired	29,393.95
Net Increase	$ 67,235.92

We understand that the account still includes some disused and obsolete equipment. Provision for Retirement is being provided at the rate of 2½% per month on Motor Busses and at the rate of 2% per annum on other equipment.

Restaurant and News Equipment is carried on the books at a value of $14,192.20 and the provision for Retirement of this asset amounts to $10,478.83.

The Investment in Affiliated Companies consists of Advances made to the Nipissing Central Railway at and since the date of the purchase of the railway in 1911. The account is the same as at the end of the previous year and, with reference to its realizability, we refer you to the annexed Balance Sheet of the debtor company.

CURRENT ASSETS

The Cash, amounting to $122,400.14, consisted of:—

Cash on Deposit at Bank of Nova Scotia, North Bay	$137,787.83
Less Outstanding Cheques	15,387.69
	$122,400.14

We obtained a certificate in confirmation of the Bank Balance at 31st March.

We have examined the Accounts Receivable and Traffic Balances and we find that they include accounts owing by The Nipissing Central Railway aggregating $189,973.58. The Balance Sheet of The Nipissing Central Railway shows a Liquid Deficit of $153,000.00 which indicates that a substantial loss may be expected on this account eventually unless the future earnings are sufficient to repair the Deficit. The Accounts Receivable include a number of other balances which are considered doubtful but no material losses are anticipated.

An examination of the balances due on Townsite Sales totalling $3,814.55 indicates that collections have been slow and that, in most instances, the balances are doubtful.

The Agents and Conductors balances, aggregating $115,337.92 consist chiefly of the accounts owing by Agents of the railway for tickets, freight and telegraph and telephone charges. We examined a number of the Agents' Balance Sheets including supporting schedules of accounts owing to Agents by customers of the Railway. These included a few balances which appeared doubtful but no material losses are anticipated.

We obtained a certificate signed by the Internal Auditor and the Storekeeper stating that the Inventory of Material and Supplies had been compiled from book figures, that it was priced at laid down cost and that it included no obsolete material. The last physical inventory previous to this Balance Sheet was taken on August 31, 1938. We examined the summaries of stores prepared by the Storekeeper at 31st March, scrutinized the adjustments which had been made and ascertained that the balances of the various stock accounts kept by the Storekeeper were in agreement with those in the General Ledger, but we did not verify the quantities on hand nor the pricing of the inventory.

Ballast Pit Sidings, $58,894.91, represents the cost of rails and ties used in the construction of sidings to gravel pits. The value of the asset is adjusted from time to time as the sidings are dismantled and the rails and ties returned to stock or transferred to other uses.

DEFERRED ASSETS

The Investments and Bank Accounts of the Pension Fund and Fire Insurance Fund are carried at the Bank of Nova Scotia in the joint custody of the Treasurer and Assistant Treasurer. We have checked the transactions in both funds, examined the securities and obtained certificates in confirmation of the Bank Balances.

Previous to May 1, 1939, contributions to the Pension Fund were made voluntarily by the Commission without provision for contributions by employees but, effective as from that date, a plan has been established which provides for contributions from both the Commission and the employees of the Railway. The Commission has been contributing 2% of the total payroll since January 1, 1937, previous to which, there was no established policy as to the amounts of the contributions. The following is a statement of the fund for the year under review:—

Pension Fund at 31st March, 1938		$269,917.29
Add Appropriations by the Commission		52,329.51
Earnings on Investments		11,418.63
		$333,665.43
Deduct Pensions Paid	$ 32,934.89	
Rent of Safety Deposit Box, etc.	25.00	
		32,959.89
Pension Fund at 31st March, 1939		$300,705.54

The Fund is invested as follows, the securities maturing at various dates in the years 1943 to 1970, inclusive:—

	Par Value	Cost and Book Value
Temiskaming and Northern Ontario Railway	$117,000.00	$107,840.85
Province of Ontario	107,000.00	101,785.75
Canadian Northern Railway	33,500.00	26,600.00
Canadian National Railways	11,000.00	10,690.00
Hydro-Electric Power Commission of Ontario	11,000.00	10,877.50
Dominion of Canada	28,000.00	27,545.00
	$307,500.00	$285,339.10
Cash in Bank		15,366.44
		$300,705.54

Fire Insurance Fund, $60,166.78. On February 1, 1938 the Commission cancelled the Fire Insurance Contract with the Underwriters, which had been in force previous to that date, and assumed the entire risk with losses to be borne by the Insurance Fund. The annual appropriations for this purpose are based on a schedule totalling, approximately, $3,300,000.00 at the rate of 35c. per $100.00.

The balance of $60,166.78 in the Fund at 31st March, 1939 is made up as follows:—

Fire Insurance Fund at 31st March, 1938	$ 49,001.08
Appropriations during the year	11,548.06
Earnings on Investments	1,688.25
	$ 62,237.39
Deduct Fire Losses	2,070.61
Insurance Fund at 31st March, 1939	$ 60,166.78

The Fund is invested as follows, the securities maturing at various dates in the years 1951 to 1970, inclusive:—

	Par Value	Cost and Book Value
Temiskaming and Northern Ontario Railway	$ 15,000.00	$ 15,815.00
Hydro-Electric Power Commission of Ontario	7,000.00	7,052.50
Province of Ontario	30,000.00	29,617.50
Dominion of Canada	5,000.00	4,925.00
	$ 57,000.00	$ 57,410.00
Cash in Bank		2,756.78
		$ 60,166.78

It will be observed that the investments of both the Pension Fund and the Insurance Fund are carried at cost and that the annual adjustments of discounts and premiums have not been made.

LIABILITIES

PROVINCE OF ONTARIO LOAN

The position of the Loan from the Province of Ontario was unchanged during the year under review. In accordance with an Order-in-Council dated April 22, 1936, the Loan does not bear interest.

LONG TERM DEBT

The Long Term Debt amounting to $5,893,000.00 consists of the outstanding balance of a Debenture Issue of $6,000,000.00 dated February 1, 1928, guaranteed by the Province of Ontario and bearing interest at the rate of 4% per annum. The first payment of principal, amounting to $107,000.00, was made on February 1, 1939 and the balance of the principal is payable annually in increasing instalments until the final date of maturity, February 1, 1968.

CURRENT LIABILITIES

We obtained written confirmation of the Demand Loan of $3,825,000.00 payable to the Bank of Nova Scotia. The Loan bears interest at the rate of 2½% per annum which has been paid to March 31, 1939.

We examined the balances making up the other items under the heading of Current Liabilities and found them to be in agreement with the books. We also examined the Accounts Payable Register and Invoices for the month of April and found a number of vouchers applicable to the period under review which were not taken into account in the attached statements. These applied principally to a derailment loss which occurred at Matheson on March 8, 1939.

We consider that the items under the headings of Deferred Liabilities and Unadjusted Credits are clearly indicated by their titles and do not require further explanation.

OPERATING ACCOUNT

The Surplus of the Railway was increased during the year by $841,702.09 made up as follows:—

Profit from Operating for year		$902,005.78
Townsite Sales, etc.		663.03
		$902,668.81
Deduct Retired Road and Equipment	$ 60,383.76	
Sundries	582.96	
		60,966.72
Increase in Surplus		$841,702.09

We found that various items of Earnings relative to the year under review were not entered on the books until the following year. We find that this is the customary procedure with these items at each year end and that omissions from this year's statements are offset by the inclusion of similar items carried over from the previous year.

THE NIPISSING CENTRAL RAILWAY
BALANCE SHEET

No rolling stock is owned by The Nipissing Central Railway and the entire Capital Investment consists of Cost of Road which includes right of way, track and roadbed, real estate, buildings, etc. The increase of $18,484.95 in the value of the Cost of Road during the year consists of:—

Expenditures on Extensions and Improvements	$ 20,655.60
Less Assets retired and written off	2,170.65
	$ 18,484.95

The comments in our report on the Temiskaming and Northern Ontario Railway in explanation of the Current Assets and Liabilities and with regard to the verification thereof apply as well to this Railway.

The Advances from the Temiskaming and Northern Ontario Railway amounted to $4,762,743.43 at March 31, 1939 and consisted of:—

Advances made to cover purchase price of Nipissing Central Railway in 1911	$ 235,483.81
Advances since date of purchase, less repayments	4,527,259.62
	$4,762,743.43

The Liability for this amount on the Balance Sheet of The Nipissing Central Railway consists of:—

Capital Stock (held by Temiskaming and Northern Ontario Railway Commission)	$ 159,000.00
Temiskaming and Northern Ontario Railway—Advance	4,603,743.43
	$4,762,743.43

Subject to the qualifications contained in the foregoing report, in our opinion, the attached Balance Sheets set forth correctly the positions of the affairs of the Railways according to the books and the information furnished us.

Yours faithfully,

BLACK, HANSON & CO.,
Per (Sgd.) F. H. Black, F. C. A.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY BALANCE SHEET AS AT 31st MARCH, 1939

Assets

Investment:		
Road	$33,949,958.10	
Railway Equipment	6,545,588.80	
Restaurant and News Equipment	14,192.20	
		$40,509,739.10
Investment in Affiliated Companies:		
Nipissing Central Railway	$ 4,762,743.43	
Less Reserve	706,764.04	
		4,055,979.39
		$44,565,718.49
Current Assets:		
Cash	$ 122,400.14	
Accounts Receivable	253,737.47	
Traffic Balances	182,660.51	
Balances due on Townsite Sales	3,814.55	
Agents' and Conductors' Balances	115,337.92	
Material and Supplies	638,453.23	
Ballast Pit Sidings	58,894.91	
Other Assets	356.85	
		1,375,655.58
Deferred Assets:		
Pension Fund Investments	$ 300,705.54	
Fire Insurance Fund Investments	60,166.78	
		360,872.32
Unadjusted Debits:		
Insurance Premiums Prepaid	$ 484.15	
Advances to Treasurer and Paymaster	1,816.72	
Accounts in Suspense	1,767.40	
		4,068.27
		$46,306,314.66

Liabilities

Province of Ontario:			
Loan without Interest			$30,207,934.92
Long Term Debt:			
Debenture Debt payable in instalments in the years 1940 to 1968—Interest 4% per annum			5,893,000.00
			$36,100,934.92
Current Liabilities:			
Bank of Nova Scotia—Demand Loan		$ 3,825,000.00	
Audited Accounts and Wages		348,452.74	
Traffic Balances		25,102.21	
Debenture Interest — Due and Accrued		42,746.70	
Deposits on Contracts		497.20	
			4,241,798.85
Deferred Liabilities:			
Pension Fund Reserve		$ 300,705.54	
Fire Insurance Reserve		60,166.78	
			360,872.32
Unadjusted Credits:			
Equipment Retirement Reserve:			
Railway Equipment	$2,082,750.16		
Motor Busses	25,411.74		
Restaurant and News Equipment	10,478.83		
		$ 2,118,640.73	
Fidelity Insurance Reserve		4,000.00	
Accounts in Suspense		7,979.42	
			2,130,620.15
Surplus			3,472,088.42
			$46,306,314.66

SURPLUS ACCOUNT

Dr.	
Retired Road and Equipment	$ 60,383.76
Sundries	582.96
	$ 60,966.72
Balance of Surplus at 31st March, 1939	3,472,088.42
	$ 3,533,055.14

	Cr.
Balance at 31st March, 1938	$ 2,630,386.33
Profit from Operating for year ended 31st March, 1939	902,005.78
Townsite Sales less Accounts Written Off	596.27
Unclaimed Vouchers	66.76
	$ 3,533,055.14

NIPISSING CENTRAL RAILWAY COMPANY

BALANCE SHEET AS AT 31st MARCH, 1939

Assets		
Investment:		
Cost of Road		$ 4,209,806.39
Current Assets:		
Cash	$ 44,473.02	
Accounts Receivable	1,240.60	
Agents' and Conductors' Balances	41,483.52	
Ballast Pit Sidings	9,764.35	96,961.49
		4,306,767.88
Deficit		706,086.24
		$ 5,012,854.12

Liabilities		
Capital Stock		$ 159,000.00
Temiskaming and Northern Ontario Railway—Advance		4,603,743.43
		$ 4,762,743.43
Current Liabilities:		
Audited Accounts	$ 167,501.58	
Traffic Balances	82,609.11	
		250,110.69
		$ 5,012,854.12

DEFICIT ACCOUNT

Dr.	
Deficit at 31st March, 1938	$ 706,422.05
	$ 706,422.05

	Cr.
Profit from Operating for year ended 31st March, 1939	$ 335.81
Deficit at 31st March, 1939	706,086.24
	$ 706,422.05

COMPARATIVE INCOME STATEMENT

April 1, 1937, to March 31, 1939

Operating Income	April 1, 1938 to March 31, 1939	April 1, 1937 to March 31, 1938
Railway Operating Revenues	$ 5,041,251.77	$ 5,236,627.02
Railway Operating Expenses	3,637,627.08	3,444,819.44
	$ 1,403,624.69	$ 1,791,807.58
Non Operating Income		
Hire of Freight Cars—Credit Balance	....	....
Rent from All Other Equipment	9,193.19	26,427.10
Joint Facility Rent Income	24,336.90	24,253.83
Miscellaneous Income	132.75	152.00
	$ 33,662.84	$ 50,832.93
Gross Income	$ 1,437,287.53	$ 1,842,640.51
Deductions from Gross Income		
Hire of Freight Cars—Debit Balance	$ 175,481.70	$ 187,049.34
Rent for All Other Equipment	9,238.83	....
Joint Facility Rents	3,241.17	3,648.50
Interest on Funded Debt	239,286.70	240,000.00
Interest on Unfunded Debt	104,100.33	122,574.01
Amortization of Discount on Funded Debt	....	19,240.50
Ore Royalties	3,868.02	3,731.86
Miscellaneous Income Charges	65.00	....
Total Deductions from Gross Income	$ 535,281.75	$ 576,244.21
Net Income carried to Profit and Loss	$ 902,005.78	$ 1,266,396.30

RAILWAY OPERATING REVENUES

	April 1, 1938 to March 31, 1939	April 1, 1937 to March 31, 1938
Freight	$ 3,425,106.64	$ 3,598,421.55
Passenger	866,974.92	920,015.43
Excess Baggage	9,228.19	9,944.10
Parlor and Chair Car	1,397.45	1,091.40
Mail	67,004.49	63,483.06
Express	141,606.67	143,587.61
Milk	5,262.84	6,418.20
Switching	12,816.90	15,875.73
Special Service Train	3,450.96	887.40
Dining and Buffet	29,827.45	30,590.55
Hotel and Restaurant	43,508.50	48,513.49
Station, Train and Boat Privileges	612.77	691.73
Storage—Freight	1,087.16	1,080.90
Storage—Baggage	375.10	412.30
Demurrage	6,628.00	7,656.87
Telegraph	104,487.74	109,974.01
Telephone	233,442.80	221,663.51
Bus	47,270.78	25,643.49
Rents of Buildings and Other Property	28,586.60	24,684.09
Miscellaneous	12,787.64	6,133.45
Joint Facility—Dr.	211.83	141.85
	$ 5,041,251.77	$ 5,236,627.02

SUMMARY RAILWAY OPERATING EXPENSES

Maintenance of Way and Structures	$ 816,498.59	$ 708,492.98
Maintenance of Equipment	746,274.44	696,245.78
Traffic	20,887.54	22,611.77
Transportation	1,593,918.07	1,583,390.11
Miscellaneous Operations	288,761.85	269,617.56
General	171,286.59	164,461.24
	$ 3,637,627.08	$ 3,444,819.44
Ratio of Operating Expenses to Operating Revenues	72.2%	65.8%

MAINTENANCE OF WAY AND STRUCTURES

	April 1, 1938 to March 31, 1939	April 1, 1937 to March 31, 1938
Superintendence	$ 29,260.45	$ 29,688.34
Roadway Maintenance	92,783.66	100,894.40
Bridges, Trestles and Culverts	48,342.24	8,676.07
Ties	110,117.18	99,357.71
Rails	62,190.38	75,114.60
Other Track Material	37,673.86	35,235.90
Ballast	10,406.09	28.81
Tracklaying and Surfacing	228,594.10	197,158.40
Right-of-Way Fences	2,594.30	4,138.65
Crossings and Signs	2,594.05	1,549.78
Station and Office Buildings	34,854.81	28,615.84
Roadway Buildings	6,458.31	5,063.58
Water Stations	16,307.24	8,561.91
Fuel Stations	2,856.20	3,310.06
Shops and Enginehouses	19,496.51	17,910.71
Telegraph and Telephone Lines	11,793.52	11,062.73
Signals and Interlockers	173.82	26.39
Power Plant Buildings	1,164.31	1,286.85
Power Transmission Systems	1,678.68	506.51
Power Distribution Systems	....	102.62
Miscellaneous Structures	....	2.65
Roadway Machines	7,879.73	4,922.00
Small Tools and Supplies	11,365.72	10,371.64
Removing Snow, Ice and Sand	82,300.12	65,141.03
Assessments for Public Improvements	64.01	62.09
Injuries to Persons	7,490.01	6,290.51
Insurance	3,813.57	6,543.32
Stationery and Printing	1,577.10	1,728.31
Other Expenses	355.89	328.04
Maintaining Joint Tracks, Yards and Other Facilities—Dr.	1,293.25	1,353.50
Maintaining Joint Tracks, Yards and Other Facilities—Cr.	18,980.52	16,539.97
	$ 816,498.59	$ 708,492.98

MAINTENANCE OF EQUIPMENT

	April 1, 1938 to March 31, 1939	April 1, 1937 to March 31, 1938
Superintendence	$ 31,195.15	$ 28,104.42
Shop Machinery	18,642.80	12,589.43
Power Plant Machinery	24,238.00	3,781.61
Steam Locomotives—Repairs	293,736.71	262,454.88
Steam Locomotives—Depreciation	60,366.67	55,273.40
Freight-Train Cars—Repairs	116,301.93	112,814.43
Freight-Train Cars—Depreciation	20,417.93	20,454.46
Passenger-Train Cars—Repairs	112,867.78	132,071.21
Passenger-Train Cars—Depreciation	33,358.40	33,422.73
Motor Equipment of Cars—Repairs	466.32	1,538.83
Work Equipment—Repairs	30,470.91	21,922.80
Work Equipment—Depreciation	9,649.04	9,634.71
Injuries to Persons	1,745.75	1,811.57
Insurance	5,151.23	7,488.07
Stationery and Printing	2,122.54	1,662.66
Other Expenses	22.00	....
Maintaining Joint Equipment at Terminals—Cr.	14,478.72	8,779.43
	$ 746,274.44	$ 696,245.78

TRAFFIC

	April 1, 1938 to March 31, 1939	April 1, 1937 to March 31, 1938
Superintendence	$ 16,426.78	$ 16,824.12
Advertising	1,424.25	2,660.14
Traffic Associations	411.85	622.74
Industrial and Immigration Bureaus	18.36	18.25
Stationery and Printing	2,606.30	2,486.52
	$ 20,887.54	$ 22,611.77

TRANSPORTATION

	April 1, 1938 to March 31, 1939	April 1, 1937 to March 31, 1938
Superintendence	$ 42,594.41	$ 41,492.33
Dispatching Trains	20,532.32	19,548.33
Station Employees	266,763.17	251,383.27
Weighing, Inspection, and Demurrage Bureaus	810.55	762.52
Station Supplies and Expenses	26,942.02	27,280.53
Yardmasters and Yard Clerks	39,389.61	37,039.75
Yard Conductors and Brakemen	52,578.03	53,985.40
Yard Switch and Signal Tenders	2,062.46	2,010.70
Yard Enginemen	34,792.06	34,857.53
Fuel for Yard Locomotives	47,306.72	51,074.37
Water for Yard Locomotives	2,235.38	2,300.47
Lubricants for Yard Locomotives	341.74	341.26
Other Supplies for Yard Locomotives	299.00	347.38
Enginehouse Expenses—Yard	21,164.47	25,129.05
Yard Supplies and Expenses	1,817.70	1,465.79
Operating Joint Yards and Terminals—Dr.	1,947.92	2,295.00
Operating Joint Yards and Terminals—Cr.	87,988.28	89,058.78
Train Enginemen	213,678.47	209,877.40
Fuel for Train Locomotives	452,125.28	461,840.69
Water for Train Locomotives	21,075.44	22,336.98
Lubricants for Train Locomotives	8,401.76	9,093.72
Other Supplies for Train Locomotives	3,898.36	3,795.42
Enginehouse Expenses—Train	60,465.20	68,455.13
Trainmen	224,222.65	219,399.41
Train Supplies and Expenses	83,114.60	80,470.62
Crossing Protection	1,412.55	1,313.97
Stationery and Printing	17,337.64	20,323.20
Other Expenses	13.53	115.00
Insurance	1,498.17	2,242.00
Clearing Wrecks	9,406.41	4,558.52
Damage to Property	....	22.41
Damage to Live Stock on Right-of-Way	261.74	176.87
Loss and Damage—Freight	11,011.14	7,375.19
Loss and Damage—Baggage	87.58	....
Injuries to Persons	12,318.27	9,738.68
	$ 1,593,918.07	$ 1,583,390.11

MISCELLANEOUS OPERATIONS

Dining and Buffet Service	$ 35,500.67	$ 40,721.24
Hotels and Restaurants	37,668.38	39,562.25
Commercial Telegraph—Maintenance	15,294.96	19,815.77
Commercial Telegraph—Operation	40,219.96	40,043.67
Commercial Telephone—Maintenance	26,541.03	24,841.41
Commercial Telephone—Operation	85,398.35	77,936.61
Bus Expenses	48,138.50	26,696.61
	$ 288,761.85	$ 269,617.56

GENERAL

Salaries and Expenses of General Officers	$ 42,018.24	$ 40,365.86
Salaries and Expenses of Clerks and Attendants	66,415.42	64,699.75
General Office Supplies and Expenses	2,593.04	3,853.84
Law Expenses	4,644.80	4,434.87
Insurance	69.73	23.06
Pensions	48,360.52	44,621.90
Stationery and Printing	5,683.66	5,285.68
Other Expenses	1,987.35	1,663.98
General Joint Facilities—Cr.	486.17	487.70
	$ 171,286.59	$ 164,461.24

TRAFFIC AND MILEAGE STATISTICS

Passenger Traffic

Total Passengers carried earning revenue	410,247
Number of Passengers carried one mile	35,112,366
Number of Passengers carried one mile per mile of road	68,220
Average distance carried—miles	85.59
Total Passenger revenue	$ 866,974.92
Average amount received from each passenger	$ 2.11
Average receipts per passenger per mile (cents)	2.47
Total passenger train service revenue	$1,091,474.56
Passenger service train revenue per mile of road	$ 2,120.64
Passenger service train revenue per train mile	$ 1.96

Freight Traffic

Number of tons carried earning revenue	1,240,819
Number of tons carried earning revenue one mile	241,765,649
Number of tons carried earning revenue one mile per mile of road	469,731
Average distance haul of one ton—miles	194.8
Total freight revenue	$3,425,106.64
Average amount received for each ton	$ 2.76
Average amount received per ton per mile (cents)	1.42
Freight revenue per mile of road	$ 6,654.70
Freight revenue per train mile	$ 5.82

Total Traffic

Operating revenue	$5,041,251.77
Operating revenue per mile of road	$ 9,794.73
Operating revenue per train mile	$ 4.52
Operating expenses	$3,637,627.08
Operating expenses per mile of road	$ 7,067.60
Operating expenses per train mile	$ 3.26
Net Operating revenue	$1,403,624.69
Net Operating revenue per mile of road	$ 2,727.13

Car Mileage

Average number of passengers carried one mile per car mile	9.2
Average number of passengers carried one mile per train mile	62.9
Average number of passenger cars per train mile	6.3
Mileage of passenger cars	3,836,292
Mileage of loaded freight cars	12,119,594
Mileage of empty freight cars	4,220,595
Average number of freight cars per train mile	28.8
Average number of loaded freight cars per train mile	20.6
Average number of empty freight cars per train mile	7.2
Average number of tons of freight per train mile	410.9
Average number of tons of freight per loaded car mile	19.9
Average miles operated during the year	514.69

Train Mileage

Mileage of revenue passenger trains	557,921
Mileage of revenue freight trains	588,355
Total revenue train mileage	1,114,276

FREIGHT TRAFFIC

Railway's Material Excluded—April 1, 1938 to March 31, 1939

COMMODITY

Products of Agriculture:	Whole Tons
Wheat	226
Oats	1,476
Flour	6,491
Other Mill Products	15,504
Hay and Straw	3,668

Cotton	25
Apples (fresh)	2,330
Other Fruit (fresh)	5,284
Potatoes	5,553
Other Fresh Vegetables	7,376
Other Agricultural Products	21

Products of Animals:

Horses	1,194
Cattle and Calves	670
Sheep	80
Hogs	40
Dressed Meats (fresh)	3,036
Other Packing House Products (edible)	8,975
Poultry	22
Eggs	176
Butter	208

Products of Mines:

Anthracite Coal	20,675
Bituminous Coal	147,943
Coke	2,895
Iron Ores	5,591
Copper Ore and Concentrates	22,076
Other Ores and Concentrates	9,822
Sand and Gravel	2,035
Stone (crushed, ground, broken)	8,421
Slate, Dimension or Block Stone	27
Asphalt (Natural, By-Product Petroleum)	4,294
Salt	1,799
Other Mine Products	1,640

Products of Forests:

Logs, Posts, Poles, Piling	19,628
Cordwood and Other Firewood	5,095
Ties	91
Pulpwood	135,884
Lumber, Timber, Box, Crate and Cooperage Material	118,253
Other Forest Products	319

Manufactures and Miscellaneous:

Gasolene	39,322
Petroleum Oils and Petroleum Products (except asphalt and gasolene)	13,676
Sugar	6,056
Iron, Pig and Bloom	208
Rails and Fastenings	4,145
Iron and Steel (Bar, Sheet, Structural, Pipe)	15,812
Castings, Machinery and Boilers	10,397
Cement	28,327
Brick and Artificial Stone	13,199
Lime and Plaster	26,599
Sewer Pipe and Drain Tile	2,018
Agricultural Implements and Vehicles other than autos	615
Automobiles, Auto Trucks and Auto Parts	2,813
Household Goods and Settlers Effects	467
Furniture	555
Beverages	18,704
Fertilizers, All Kinds	164
Newsprint Paper	245,465
Paper Board, Pulpboard and Wallboard (paper)	764
Woodpulp	61,324
Fish (fresh, frozen, cured, etc.)	311
Canned Goods (all canned food products except meats)	9,361
Other Manufactures and Miscellaneous	102,419
Merchandise	69,255
	1,240,819

STATISTICS

Comparative Passenger Traffic Statement

		Passengers	Revenue
Number of Passengers carried during year	1905.........	86,648	$ 108,681.76
" " "	1906.........	359,861	254,759.33
" " "	1907.........	518,678	388,343.03
" " "	1908.........	479,005	366,504.53
" " "	1909.........	580,748	483,110.89
" " "	1910.........	670,913	606,967.91
" " "	1911.........	479,102	653,063.01
" " "	1912.........	497,452	599,681.73
" " "	1913.........	508,055	576,049.37
" " "	1914.........	535,869	544,820.08
" " "	1915.........	480,995	482,349.80
" " "	1916.........	485,759	624,808.12
" " "	1917.........	499,759	655,127.58
" " "	1918.........	436,984	647,162.91
" " "	1919.........	525,714	853,363.52
" " "	1920.........	609,879	1,021,079.95
" " "	1921.........	685,928	1,223,387.14
" " "	1922.........	633,491	1,097,394.03
" " "	1923.........	708,144	1,273,807.69
" " "	1924.........	725,922	1,369,045.61
" " "	1925.........	664,242	1,150,278.18
" " "	1926.........	634,320	1,180,543.65
" " "	1927.........	647,740	1,248,100.25
" " "	1928.........	637,145	1,277,950.61
" " "	1929.........	549,973	1,063,426.10
" " "	1930.........	516,816	997,649.44
" " "	1931.........	422,552	838,019.24
" " "	1932.........	295,347	578,126.20
" " "	1933.........	245,451	500,684.85
Number of Passengers carried during year ended October 31, 1934...		314,047	599,445.08
Number of Passengers carried during period November 1, 1934, to March 31, 1935............................		165,838	265,987.70
Number of Passengers carried during year ended March 31, 1936...		335,700	633,867.09
Number of Passengers carried during year ended March 31, 1937...		369,525	741,472.58
Number of Passengers carried during year ended March 31, 1938...		466,648	920,015.43
Number of Passengers carried during year ended March 31, 1939...		410,247	866,974.92
		17,184,497	$26,692,049.31

COMPARATIVE FREIGHT TRAFFIC STATEMENT

		Tons	Revenue
Number of Tons of Freight carried during year	1905......	99,192	$ 121,530.46
" " "	1906......	273,749	230,552.63
" " "	1907......	393,589	390,894.29
" " "	1908......	484,444	471,203.41
" " "	1909......	498,645	756,141.66
" " "	1910......	624,820	852,886.46
" " "	1911......	564,120	974,678.33
" " "	1912......	562,734	929,464.66
" " "	1913......	674,942	906,476.16
" " "	1914......	742,366	952,090.35
" " "	1915......	676,938	925,735.37
" " "	1916......	922,618	1,320,569.33
" " "	1917......	960,714	1,459,459.93
" " "	1918......	1,233,510	1,937,054.80
" " "	1919......	1,068,775	2,036,274.38
" " "	1920......	1,361,185	2,728,092.92
" " "	1921......	1,298,400	3,047,925.57
" " "	1922......	1,185,453	2,779,673.11
" " "	1923......	1,550,651	3,431,621.04

Number of Tons of Freight carried during year 1924	1,410,725	3,296,211.95
" " " 1925	1,350,795	3,181,378.01
" " " 1926	1,355,298	3,146,070.59
" " " 1927	1,321,110	3,336,174.25
" " " 1928	1,371,021	3,437,452.26
" " " 1929	1,376,581	3,308,624.11
" " " 1930	1,391,655	3,336,628.11
" " " 1931	1,253,323	3,457,937.44
" " " 1932	946,692	2,835,196.48
" " " 1933	823,946	2,279,649.73
Number of Tons of Freight carried during year ended October 31st, 1934	930,433	2,608,355.56
Number of Tons of Freight carried during period November 1, 1934, to March 31, 1935	420,231	1,078,612.83
Number of Tons of Freight carried during year ended March 31, 1936	1,103,991	2,998,245.98
Number of Tons of Freight carried during year ended March 31, 1937	1,337,081	3,626,347.80
Number of Tons of Freight carried during year ended March 31, 1938	1,362,427	3,598,421.55
Number of Tons of Freight carried during year ended March 31, 1939	1,240,819	3,425,106.64
	34,172,973	$75,202,738.15

TEMISKAMING AND NORTHERN ONTARIO RAILWAY

Statement of Miles Track Operated at Close of Fiscal Year March 31st, 1939

Main Line:		
North Bay to Timmins	257.30	
Porquis to Cochrane	28.10	
Cochrane to Moosonee	186.19	
		471.59
Branch Lines:		
Earlton to Elk Lake	28.50	
Englehart to Charlton	7.60	
Porquis to Iroquois Falls	7.00	
		43.10
Other Tracks:		
Yard Tracks and Sidings		120.66
Private Sidings Operated by the Railway:		
Under Private Sidings Agreements		19.23
Owned by Private Companies		.55
Sidings Operated by Private Companies:		
Under Private Siding Agreement		9.23
		664.36

DETAILS OF RAILWAY EQUIPMENT

	March 31, 1938	Additions During Year	Retirements During Year	March 31, 1939
Locomotives:				
Passenger-Freight	60	0	0	60
Switching	6	0	0	6
Total	66	0	0	66
Freight Equipment:				
Box Cars	242	0	4	238
Flat Cars	268	0	0	268
Stock Cars	0	0	0	0
Caboose Cars	32	0	0	32
Other Cars in Freight Service	97	0	0	97
Total	639	0	4	635

	March 31, 1938	Additions During Year	Retirements During Year	March 31, 1939
Passenger Equipment:				
First Class Cars	27	1	3	25
Second Class Cars	18	2	6	14
Combination Cars	7	4	0	11
Parlour Cafe Cars	3	0	0	3
Baggage and Express Cars	12	1	0	13
Diesel Power	0	0	0	0
Other Cars in Passenger Service	5	6	1	10
Total	72	14	10	76
Work Equipment:				
Business	3	0	0	3
All Other Cars in Railway's Service	163	0	1	162
Total	166	0	1	165

DETAILS OF HIGHWAY SERVICE EQUIPMENT

	March 31, 1938	Additions During Year	Retirements During Year	March 31, 1939
Busses	11	2	1	12
Trucks	Nil	2	1	1
Total	11	4	2	13

NIPISSING CENTRAL RAILWAY COMPANY

COMPARATIVE INCOME STATEMENT

April 1, 1937, to March 31, 1939

Operating Income	April 1, 1938, to March 31, 1939	April 1, 1937, to March 31, 1938
Railway Operating Revenues	$484,932.56	$486,246.46
Railway Operating Expenses	449,483.10	450,117.60
Net Operating Revenue	$ 35,449.46	$ 36,128.86
Deductions from Income		
Hire of Freight Cars—Debit Balance	$ 31,886.40	$ 30,856.51
Rent for All Other Equipment	583.43	336.90
Miscellaneous	2,643.82	2,546.91
Total Deductions from Income	$ 35,113.65	$ 33,740.32
Net Income carried to Profit and Loss	$ 335.81	$ 2,388.54

RAILWAY OPERATING REVENUES

	April 1, 1938, to March 31, 1939	April 1, 1937, to March 31, 1938
Freight	$370,184.78	$361,656.43
Passenger	96,408.33	108,175.94
Excess Baggage	1,264.81	1,307.91
Mail	3,748.73	3,556.52
Milk	2,232.11	2,162.46
Switching	1,303.10	1,360.40
Special Service Train	736.66	196.80
Station, train and boat privileges	99.85	97.45
Storage—Freight	1,022.27	768.79
Storage—Baggage	304.15	138.60
Demurrage	634.00	1,421.00
Rents of buildings and other property	5,232.37	4,776.64
Miscellaneous	1,761.40	627.52
	$484,932.56	$486,246.46

SUMMARY RAILWAY OPERATING EXPENSES

Maintenance of Way and Structures	$ 91,687.56	$103,913.14
Maintenance of Equipment	59,209.83	59,269.14
Traffic	1,954.69	1,939.28
Transportation	278,248.37	269,628.24
General	18,382.65	15,367.80
	$449,483.10	$450,117.60
Ratio of Operating Expenses to Operating Revenues	92.7%	92.6%

MAINTENANCE OF WAY AND STRUCTURES

	April 1, 1938, to March 31, 1939	April 1, 1937, to March 31, 1938
Superintendence	$ 3,214.74	$ 3,261.74
Roadway Maintenance	15,492.83	15,212.88
Bridges, Trestles and Culverts	2,733.97	5,487.55
Ties	15,175.61	25,521.88
Rails	1,311.15	2,907.25
Other Track Material	3,297.20	3,253.54
Track Laying and Surfacing	29,146.94	32,298.39
Right-of way Fences	40.32	86.63
Crossings and Signs	271.21	157.98
Station and Office Buildings	4,348.10	3,821.84
Roadway Buildings	541.46	336.80
Water Stations	1,211.93	146.60
Fuel Stations	748.80	721.26
Shops and Enginehouses	994.51	500.16
Signals and Interlockers	45.80	9.11
Power Transmission Systems	6.00	35.28
Roadway Machines	451.77	399.92
Small Tools and Supplies	1,338.13	1,237.44
Removing Snow, Ice and Sand	10,509.99	7,743.70
Injuries to Persons	251.92	394.19
Insurance	552.60	379.00
Other Expenses	2.58	
	$ 91,687.56	$103,913.14

MAINTENANCE OF EQUIPMENT

	April 1, 1938, to March 31, 1939	April 1, 1937, to March 31, 1938
Shop Machinery	$ 89.23	$ 597.26
Steam Locomotives—Repairs	39,034.72	37,804.20
Steam Locomotives—Depreciation	2,397.05	2,613.60
Freight-train cars—Repairs	1,217.35	1,257.45
Passenger-train Cars—Repairs	13,979.27	14,254.12
Passenger-train Cars—Depreciation	1,868.94	1,909.58
Work Equipment—Repairs	427.30	468.27
Work Equipment—Depreciation	126.97	141.30
Injuries to Persons	8.12	145.50
Insurance	6.60	4.30
Stationery and Printing	54.28	73.56
	$ 59,209.83	$ 59,269.14

TRAFFIC

Superintendence	$ 1,524.18	$ 1,232.76
Advertising	129.40	202.91
Traffic Associations	44.39	91.45
Industrial and Immigration Bureaus	1.64	1.75
Stationery and printing	255.08	410.41
	$ 1,954.69	$ 1,939.28

TRANSPORTATION

	April 1, 1938, to March 31, 1939	April 1, 1937, to March 31, 1938
Superintendence	$ 7,412.29	$ 6,791.59
Dispatching Trains	2,699.73	2,652.00
Station Employees	60,732.56	52,316.30
Station Supplies and Expenses	4,912.08	5,088.97
Yard Conductors and Brakemen		4,976.70
Yard Switch and Signal Tenders		348.91
Yard Enginemen		3,235.11
Fuel for Yard Locomotives		3,285.26
Water for Yard Locomotives	25.00	16.02
Lubricants for Yard Locomotives		26.94
Other Supplies for Yard Locomotives		10.52
Enginehouse Expenses—Yard		971.71
Yard Supplies and Expenses		3.10
Train Enginemen	53,484.97	48,661.94
Fuel for Train Locomotives	65,735.40	59,783.78
Water for Train Locomotives	2,414.33	1,125.13
Lubricants for Train Locomotives	539.91	432.08
Other Supplies for Train Locomotives	191.29	272.26
Enginehouse Expenses—Train	9,860.53	10,166.61
Trainmen	57,035.63	53,911.07
Train Supplies and Expenses	7,643.36	8,805.60
Stationery and Printing	4,062.60	4,373.02
Other Expenses		3.00
Insurance	148.44	92.14
Clearing Wrecks	216.99	705.15
Damage to Property	75.63	
Damage to Live Stock on Right of Way	55.18	51.28
Loss and Damage—Freight	836.49	800.26
Loss and Damage—Baggage	48.00	70.15
Injuries to Persons	117.96	651.64
	$278,248.37	$269,628.24

GENERAL

Salaries and Expenses of General Officers	$ 4,494.67	$ 3,659.37
Salaries and Expenses of Clerks and Attendants	7,106.71	5,857.24
General Office Supplies and Expenses	270.07	358.56
Law Expenses	497.20	527.54
Insurance	7.53	2.11
Pensions	5,166.65	4,045.85
Stationery and Printing	619.76	772.61
Other Expenses	220.06	144.52
	$ 18,382.65	$ 15,367.80

NIPISSING CENTRAL RAILWAY COMPANY

Statement of Miles Track Operated at Close of Fiscal Year March 31st, 1939

	Miles	Miles
Swastika to Noranda	59.74	
Sidings and Yards	9.50	
		69.24
Private Sidings under Sidings Agreements		2.65
Private Sidings Privately Owned		1.44
		73.33

Thirty-Fourth Annual Report

OF THE

ONTARIO MUNICIPAL BOARD

To December 31st, 1939

PRESENTED TO THE LEGISLATIVE ASSEMBLY,
BY COMMAND

SESSIONAL PAPER No. 24, 1940

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty, 1940

TO THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario, in Council.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to transmit herewith the Thirty-Fourth Report of the Ontario Municipal Board for the year ending December 31st, 1939.

Respectfully submitted,

E. W. CROSS,
Minister of Municipal Affairs.

Parliament Buildings,
Toronto, February 20th, 1940.

Parliament, Buildings,
TORONTO, Canada

February, 20th,
1940.

DEAR SIR: Re **Thirty-fourth Annual Report.**

I have the honour to send you herewith the Thirty-fourth Annual Report of the Ontario Municipal Board, to December 31st, 1939.

Your obedient servant,
M. B. SANDERSON,
Acting secretary.

The Honourable Eric W. Cross, K.C., M.A.,
Minister of Municipal Affairs,
Parliament Buildings,
TORONTO.

ORGANIZATION

of the

ONTARIO MUNICIPAL BOARD OF THE PROVINCE OF ONTARIO

R. S. COLTER, K.C.,	CHAIRMAN
D. S. CHARLTON,	VICE-CHAIRMAN
W. P. NEAR, B.A.Sc.,	COMMISSIONER
M. B. SANDERSON,	ACTING-SECRETARY
J. A. McDONALD,	INSPECTOR OF TELEPHONE SERVICE

THIRTY-FOURTH ANNUAL REPORT

OF THE

Ontario Municipal Board

To December 31st, 1939

PRESENTED TO THE LEGISLATIVE ASSEMBLY,

BY COMMAND

THIRTY-FOURTH ANNUAL REPORT

# of the

Ontario Municipal Board

To December 31st, 1939

In pursuance of Section 108 of "The Ontario Municipal Board Act" (R.S.O., 1937, Chapter 60), the Ontario Municipal Board beg leave respectfully to submit their Thirty-fourth Annual Report.

"THE ONTARIO MUNICIPAL BOARD ACT"

Since the revision of the Statutes of Ontario in 1937 "The Ontario Municipal Board Act" was amended by Statutes of Ontario 1938, Chapter 37, Section 18, and 1939, Chapter 47, Section 26.

APPLICATIONS TO THE BOARD

There were 1306 applications to the Board during 1939 (exclusive of Public Vehicle and Public Commercial Vehicle License applications), and in regard to 186 of these Public Hearings were held. The applications included a great variety of matters falling within the jurisdiction of the Board and those granted are set out in a list contained in the "Abstract and Summary" appended to this Report, indexed under "Orders issued by the Board". Copies of formal Decisions issued are also contained in the Abstract and Summary, indexed under "Decisions of the Board" and also under the names of the Parties.

SITTINGS OF THE BOARD

The Board held meetings for the transaction of routine business and the disposal of applications every juridical day throughout the year. Many of these applications, though dealt with informally and disposed of without the necessity of Hearings, entailed in many instances a considerable amount of inquiry and consideration on the part of the Board, especially those coming under the provisions of Section 70 of the Board's Act, which section requires all capital undertakings and expenditures therefor by Municipalities to be approved by the Board.

REVENUE

By Ontario Statutes, 1939, Chapter 47, Section 26 (3), Section 107 of "The Ontario Municipal Board Act", being the section respecting the Board's fees, was repealed and re-enacted. The new section came into effect on the 27th day of April, 1939, and the fees are now payable in cash **on the application** instead of in Law Stamps on the Board's Order.

During 1939 the Board's fees for Law Stamps in the earlier part of the year and latterly on the applications amounted to $23,711.74. In this amount is included fees on applications for Public Vehicle and Public Commercial Vehicle Licenses—$4,502.50 collected by the Department of Highways and credited to the Board.

APPROVAL OF UNDERTAKING OF CAPITAL EXPENDITURES BY MUNICIPALITIES

(Section 70 of "The Ontario Municipal Board Act")

(R.S.O. 1937, C. 60).

On the 18th April, 1935, legislation came into effect whereby a Municipality is prohibited from exercising any of its powers to proceed with, authorize or provide any moneys for any undertaking, work, project, scheme, act, matter or thing, the cost or any portion of the cost which it is intended or required to be provided or raised by the issue of debentures of the Municipality, until the approval of this Board is first obtained. This enactment over-rides the provisions of any general or Special Act and necessitates a great many applications to the Board. A list of these applications granted will be found in the Summary, included in the list indexed under "Orders issued by the Board". Written decisions will be found indexed under "Capital Expenditures" and also under the names of the Applicants.

744 Applications in respect to proposed expenditures totalling $13,593.218.44 were considered by the Board and approval was refused in respect to approximately $800,000 of this amount. It should be noted, however, that since Municipal representatives are now aware of the fact that they must obtain the Board's approval of proposed capital undertakings, a large percentage avail themselves of the opportunity of discussing their proposed borrowings with the Board and in many instances are advised that the Board would not be willing to grant approval. Accordingly, formal applications in these instances are not filed and do not show in the Board's records.

It should also be noted that the existence of this legislation gives the Board an opportunity to advise and control with regard to the type and term of the debentures to be issued. In this connection the Board has pursued the policy of approving only instalment debentures as opposed to sinking fund debentures and is generally requiring the term of repayment to be shorter than formerly, believing that the saving of interest effected thereby accrues to the benefit of the municipal ratepayers.

The following list, generally speaking, shows the maximum debenture term allowed by the Board under this restrictive policy:—

Sidewalks	10 years
Curbs and gutters,	10 years
Pavements,	10 years
Watermains,	15 years
Sanitary Sewers,	15 years
Trunk Sewers,	20 years
Buildings, including School,	20 years

APPROVAL OF RATEPAYERS

By section 59 (f) of "The Ontario Municipal Board Act" the Board is given power to direct that before any approval is given to the exercise of any powers by a Municipality or to any By-law passed by it, the assent of the electors thereof or of those qualified to vote on money by-laws shall first be obtained, notwithstanding such assent is not otherwise requisite. By virtue of this legislation the Board is continuing its policy, adopted in 1938, of insisting that major capital expenditures, the cost of which would be met out of general rates, be submitted to the ratepayers for their approval before being presented to the Board, and further the Board is of the opinion that a representative vote can be taken only at the same time as the municipal election. The result of this policy in many instances has been the rejection of the proposed expenditure by the ratepayers.

ARBITRATIONS

In 1939 the Board acted as Arbitrators in connection with 10 applications, 7 of which were made pursuant to section 79 of "The Highway Improvement Act", for the fixing of compensation to be paid to the Claimants for property expropriated or damaged in connection with construction of the King's Highways where the amount could not be arranged between the Parties. Of the other applications one was made pursuant to section 22 of "The Power Commission Act" and one pursuant to "The Grand River Conservation Act", section (9).

RESTRICTED AREAS

Under Section 406 of "The Municipal Act" (R.S.O. 1937, C. 266) the Board considered 19 applications for approval of Municipal By-laws placing restrictions on certain areas as to use of land and the erection and use of buildings thereon; also, under subsection (2b) of this section, 47 applications for variation of restricted areas already established. The applications granted are shown in the Summary in the list of "Orders issued by the Board". Copies of the Board's written decisions will also be found indexed under "Decisions of the Board" and under "Restricted Areas".

REFUNDING PLANS OF SUPERVISED MUNICIPALITIES

Pursuant to the provisions of section 32 of "The Department of Municipal Affairs Act" (R.S.O., 1937, C. 59), the Board during 1939 considered and approved plans for funding and refunding the bonded indebtedness of the following Supervised Municipalities:—Town of Blind River, Town of Collingwood, Township of East York, Town of Fort Erie, Town of Penetanguishene, Township of Scarborough, Town of Thorold and Township of York.

EXTENSION OF PUBLIC UTILITIES

(Section 407 (2) of "The Municipal Act")

During 1939 the Board approved of extensions to Public Utilities in an amount totalling $396,671.16, covering 28 applications. These are shown in the Summary in the list of "Orders issued by the Board".

FLOATING INDEBTEDNESS

(Section 59 (d) of Part IV, R.S.O., 1937, C. 60,

as re-enacted by O.S., 1939, C. 47, S. 26 (1).)

Under this legislation the Board issued Orders in respect to 25 Municipalities authorizing debenture issues totalling $2,814,406.32. It should be noted that this meant a considerable saving of expense to the Municipalities concerned, as special Acts of the Legislature would otherwise have been necessary.

(Section 59 (dd) of Part IV, R.S.O., 1937, C. 60,
enacted by O.S. 1939, C. 47, s. 26 (1).)

10 Municipalities took advantage of this legislation, which came into effect on April 27th, 1939, and applied to the Board for authority, without assent of the electors to retire certain of their debentures redeemable before maturity. The total amount authorized by the Board was $120,698.71.

DIRECT RELIEF FUNDING

The policy of the Board to curtail, as far as possible, the funding of direct relief costs by Municipalities has resulted in only 3 applications being filed with the Board during 1939 in respect to a portion of their expenditure in this regard, and which applications were granted. This represents an improvement over the two preceding years when, in 1937, 10 municipalities applied for and received approval to the funding of a portion of their direct relief costs, and, in 1938, 5 applications were filed of which only 3 were granted.

The Board hopes for the gradual termination of the practice of the three remaining municipalities of funding this type of expenditure.

ASSESSMENT APPEALS

There were 25 Assessment Appeals to the Board during 1939, pursuant to section 84 of "The Assessment Act" (R.S.O. 1937, C. 272), involving property assessed at $4,486,931.25. Of this number 2 appeals were withdrawn, formal hearings were held in regard to 16 and the remainder carried over for hearing in 1940. The total amount involved in the appeals heard by the Board was $3,662,930.25.

Copies of the Board's written decisions will be found in the Summary, indexed under "Assessment Appeals", "Decisions of the Board" and also under the names of the Parties.

"THE MUNICIPAL FRANCHISES ACT"

(R.S.O., 1937, C. 277)

Under section 6 (c) of this Act the Board granted approval to two Municipal By-laws granting the right to certain persons to use and occupy the highways etc., of the Applicant Municipality for the purpose of laying mains, pipes, etc., for the supply and transportation of natural gas. These are shown in the Summary in the list of "Orders issued by the Board".

Pursuant to section 8, the Board heard 6 applications by Gas Companies for certificates of Public Convenience and Necessity to construct works to supply and to supply gas to residents of certain Municipalities. Copies of these Certificates will be found in the Summary, indexed under "Certificates of Public Convenience and Necessity", "Decisions of the Board" and under the names of the Applicant Companies and the Municipalities concerned.

VALIDATION OF MUNICIPAL BY-LAWS AND DEBENTURES

(Section 64 of Part IV R.S.O. 1937, C. 60).

160 applications were made to the Board in 1939 for validation of Municipal By-laws and certification of the debentures authorized thereunder. The total of such debenture issues was $6,423,415.38.

While purchasers of debentures are frequently satisfied with Orders of the Board under section 70 of the Board's Act, it has been found, particularly in regard to the larger issues, that a further Order of the Board validating the By-law and providing for certification of the debentures, facilitates the marketing of the issue.

PLANS OF LAND SUBDIVISIONS

Under "The Planning and Development Act" (R.S.O., 1937, C. 270, sections 5 and 6), "The Land Titles Act" (R.S.O., 1937, c. 174, section 112), and "The Registry Act" (R.S.O., 1937, C. 170, Section 83 (15)), 52 plans were presented to the Board for approval and certification.

PROVINCIAL RAILWAYS

Extensions of and improvements to Provincial Railways during 1939, as reported to the Board, will be found in the Summary, arranged alphabetically under the names of the several Systems reporting.

Annual Reports, to December 31st, 1939, by Railway Companies under the Board's jurisdiction were received, of which a summarized tabulation has been prepared for publication herein. The Board has no means of auditing these reports as received and cannot therefore guarantee that the figures taken therefrom are correct or accurate.

Under "The Railway Act" there were 32 applications to the Board in 1939. 11 of these applications were filed by the Sandwich, Windsor and Amherstburg Railway Company, 17 by the Toronto Transportation Commission, 2 by Windsor, Essex and Lake Shore Railway Company and 1 by the City of Fort William, (Public Utilities Commission).

A tabulation of Accident Reports received by the Board from Provincial Railways during the year 1939 is included in the Summary and shows that 11 persons were killed and 1493 injured during the year.

PUBLIC VEHICLE, AND COMMERCIAL LICENSES

Pursuant to "The Public Vehicle Act" (R.S.O. 1937, C. 289) and "The Commercial Vehicle Act" (R.S.O. 1937, C. 290), no Public Vehicle or Commercial Vehicle license, respectively, may be issued by the Department of Highways without the approval of the Board being first obtained as evidenced by a Certificate of Public Necessity and Convenience of the said Board furnished to that Department, and then only in accordance with such Certificate. Upon the granting of a Certificate by the Board the Department may then, in its discretion, issue or refuse a license.

The Board set aside 43 days during the year for hearing the applications for Certificates of Public Necessity and Convenience. From March to December, inclusive, two days, bi-monthly, are set apart for these hearings, and in addition one day each week is reserved for the hearing of other applications pertaining to matters relevant to the issuance of Certificates. The Board also during 1939 gave appointments for similar hearings at Port Arthur and Fort William, as well as at Kirkland Lake.

During the year 41 applications were made for Public Vehicle Licenses and 977 for Commercial Vehicle Licenses. These include applications for extensions to and clarification of existing licenses, and according to classification are divided as follows:—

Public Vehicle	41
Public Commercial Vehicle:	
Class "A"	98
Class "B"	9
Class "C"	143
Class "D"	91
Class "E"	166
Class "F"	453
Class "H"	17
Miscellaneous	
Total	1018

In supporting an application before the Board the Applicant may appear in person or be represented by his Solicitor, or, under exceptional circumstances, if unable to attend, may submit evidence in the form of letters, petition or affidavits. The Board hears and considers the evidence for and against and also takes into consideration the facilities extended by existing licensed operators and its decision is based on whether public necessity and convenience requires the service for which the application is made.

All transfers of Public Vehicle and Public Commercial Vehicle Licenses are subject to the approval of the Board and care is taken to prevent anything that might appear to be trafficking in licenses. Transfers of important licenses are usually made the subject of a Hearing and evidence is heard for and against.

During the year the Department of Highways has referred to the Board the applications of Class "D" operators for substitution of or addition of contract shippers. Such applications are now made the subject of Hearings.

The Department of Highways submits for the Board's approval School Bus permits and re-instatements of licenses that have been suspended for failure to insure or other cause.

FORMS

The Board has (for distribution to parties interested) the following forms and specifications, namely:—

1. The Board's Rules of Practice and Procedure and Practice Forms.

2. Regulations, Specifications and Forms respecting Railways.

3. Standard Specifications for Bridges, Viaducts, Trestles or other structures.

4. Memoradum of material required in support of application for approval of undertaking of capital expenditure involving debenture issue, under section 70 of "The Ontario Municipal Board Act" (R.S.O. 1937, C. 60).

5. Forms of By-laws and Notices which may be used when carrying out the provisions of sections 280 and 305 of "The Municipal Act" (R.S.O. 1937, C. 266) in respect of voting on Money By-laws.

6. Forms for Annual Reports by Railway Systems.

7. Forms for Reports as to Examination of Motormen.

8. Forms for Reports of Accidents by Railway Systems.

9. Directions for guidance of applicants under subsection (2) of section 407 of "The Municipal Act".

10. Tariff of the Board's Fees.

11. Forms under "The Planning and Development Act" with directions for guidance of applicants thereunder.

12. "The Telephone Act".

13. Form of Annual Report to be furnished to the subscribers to a Telephone System established under Part II of "The Telephone Act".

14. Instructions for preparation of Annual Report as mentioned in No. 15.

15. Pamphlet containing information regarding Provincial Telephone Systems and including:

(a) Form of By-law providing for the establishment of a telephone system under Part II of "The Telephone Act".

(b) Form of By-law providing for the issue of debentures to pay for the cost of establishing a telephone system under Part II of "The Telephone Act".

(c) Form of By-law to regulate the management and operation of a telephone system established under Part II of "The Telephone Act".

(d) Form of Account for the use by Telephone Companies using the "Discount System of Collections."

(e) Form of Municipal Debenture—Instalment Plan.

(f) Form of Constitution and By-laws for a Telephone Company.

16. Form of Petition praying for the establishment or extension of a Telephone System under Part II of "The Telephone Act".

17. Form of By-laws granting to a Telephone Company the right to use the highways of a Township.

18. Form for Return by Municipality operating a Telephone System.

19. Form for Return by Company, etc., operating a Telephone System.

20. Form for Tariff of Tolls for Telephone System.

21. Form for Return by Companies required by Order of the Board to set up a reserve for depreciation.

MISCELLANEOUS MATTERS UNDER THE BOARD'S JURISDICTION

Copies of the Board's written Decisions and a list of Orders issued in 1939 appear in the Summary. These relate to:

Annexations—Section 16 of "The Municipal Act" (R.S.O., 1937, C. 266).

Arbitrations—Section 22 (7) of "The Power Commission Act" (R.S.O., 1937, C. 62).

Assessment Appeals—Section 84 of "The Assessment Act", (R.S.O., 1937, C. 272).

Bylaws, approval of—Section 59 (c) of "The Ontario Municipal Board Act" (R. S.O., 1937, C. 60).

Detachment of Farm Lands from Town or Village—Section 21 of "The Municipal Act" (R.S.O., 1937, C. 266).

Extension of Debenture Issue Period of Municipal By-laws—Section 205 (11) and (12) of "The Municipal Act" (R.S.O., 1937, C. 266).

Extension of Time to Pass Municipal By-laws—Section 297 (5) of "The Municipal Act".

Floating Indebtedness, authority to Municipalities to issue debentures for—(Section 59 (d) of Part IV of "The Ontario Municipal Board Act" (re-enacted O.S. 1939, C. 47, S. 266).)

The Municipal Franchises Act—(R.S.O., 1937, C. 277) Section 6 (c) and Section 8. Approval of Municipal By-laws granting right to the laying of mains and pipes for supply of gas and Certificates of Public Convenience and Necessity in respect to the construction of works to supply and to supply gas to residents of Municipalities, pursuant to franchise granted therefor.

Highways, Deferred widening of—Section 348 of "The Municipal Act".

Highways, Department of, Claims against—Fixing of compensation—Section 79 of "The Highway Improvement Act" (R.S.O. 1937, C. 56).

Highways, Narrow—Approval of—Section 502 (2) of "The Municipal Act".

Increased Borrowings by Municipal Councils—Section 339 (2) of "The Municipal Act".

Interest Decrease and Interest Increase By-laws, Approval of—Section 310 of "The Municipal Act".

Legislation, Special—Approval of By-laws under.

License Fee, Approval of fixing of to residents of a Municipality owning and using a bicycle on any highway therefor—(Section 420 (11) of "The Municipal Act").

Local Improvements, Approval of undertaking of and passing of By-law therefor —Section 8 of "The Local Improvement Act" (R.S.O. 1937, C. 269).

Local Improvements—Abandonment of Part of Work—Section 18 of "The Local Improvement Act".

Local Improvements—Apportionment of cost of work—Section 27 (3) of "The Local Improvement Act".

Local Improvements—Approval of By-law providing for paving of Lane—(Section 29 (3) of "The Local Improvement Act").

"The Public Parks Act" (R.S.O., 1937, C. 285). Section 12—Approval of the setting aside part of for athletic purposes, etc.

"The Power Commission Act"—See "Arbitrations".

"The Public Schools Act" (R.S.O. 1937, C. 357), Section 16—Appointment of Referee.

Repeal of Money By-laws as to Residue not required—Section 311 (2) of "The Municipal Act".

Restricted Areas, approval of By-laws for—Section 406 of "The Municipal Act".

Restricted Areas, Repeal or amendment to, approval of By-laws for—Section 406 (2b) of "The Municipal Act".

Retirement of unmatured debentures—Section 59 (dd) of "The Ontario Municipal Board Act" as enacted by O.S. 1939, C. 47, section 26 (1).

Sinking Funds, approval of investment of—Section 326 of "The Municipal Act".

Sinking Funds, use of surplus—Section 321a of "The Municipal Act" as enacted by O.S. 1939, C. 30, Section 18.

Sinking Funds, authority to dispense with further levy for, where amount in Sinking Fund sufficient—Section 321 (b) of "The Municipal Act" as enacted by O.S. 1939, C. 93, Section 18.

Supervised Municipalities—Appeals to Board—"The Department of Municipal Affairs Act" (R.S.O., 1937, C. 59) (Part III).

Supervised Municipalities, Approval Refunding Plans—"The Department of Municipal Affairs Act" (Part III).

Supervised Municipalities, Supervision by the Department of Municipal Affairs —"The Department of Municipal Affairs Act" (Part III).

Supervised Municipalities, Variation in Local Improvement Rates—"The Department of Municipal Affairs Act" (Part III).

Tax Rate—Approval of further debt and levy therefor. Section 315 (2) of "The Municipal Act".

Tariff of Board's fees—Section 107 of "The Ontario Municipal Board Act" (R.S.O. 1937, C. 60), re-enacted by O.S. 1939, C. 47, Section 26 (3).

Unemployment (Direct) Relief, Funding of cost—Section 70 of "The Unemployment Relief Act, 1935". (C. 71).

Vote of Electors, applications to dispense with—Section 69 of "The Ontario Municipal Board Act".

War Memorials and Patriotic Objects, erection in narrow highways—Section 404 (30) (c) of "The Municipal Act".

Wards, Division of Cities etc., into—Section 44 of "The Municipal Act".

Weigh Scales and Weighing of Coal—Section 408 (11) of "The Municipal Act".

Works ordered by Dominion Railway Board—Section 307 (3) (f) of "The Municipal Act".

M. B. SANDERSON,
Acting Secretary.

THE ONTARIO MUNICIPAL BOARD

REPORT OF THE INSPECTOR OF TELEPHONE SERVICE

For The Year 1939.

The following applications under the provisions of "The Telephone Act" (R.S.O. 1937, Chapter 261) were dealt with by the Board in 1939.

Under Section 24:	For approval of Municipal debenture by-laws to meet the cost of establishing, extending, reconstructing, replacing or altering Telephone Systems	1
Under Section 27:	For authority to pass municipal debenture by-laws to meet the cost of reconstructing, replacing or altering telephone systems	1
Under Section 31:	For approval of the purchase of an existing telephone system by a municipality or any portion thereof	3
Under Section 51:	For an order approving appointment of Commissioner to fill vacancy	3
Under Section 56:	For the approval of by-laws of a municipal telephone system	2
Under Section 58:	For an order prescribing the date for holding the annual meeting of subscribers	2
Under Section 79:	For the approval of municipal by-laws granting the right to erect poles and wires upon the highways	26
Under Section 87:	For the approval of by-laws of a telephone company	9
Under Section 89:	For an Order prescribing conditions and specifications for the construction and maintenance of telephone systems	1
Under Section 96:	For the approval of agreements providing for interchange of service	59
Under Section 101:	For the approval of the sale of telephone systems	9
Under Section 103:	For the approval of charges for telephone service	41
Under Section 109:	For authority to expend a portion of the moneys set aside for depreciation, upon new construction or extensions or in the purchase of securities	6
Under Section 110:	For authority to issue stocks and bonds	2
	Total Number of Applications	165

The continued policy of the Board in endeavouring to secure an amicable settlement of matters in dispute between the applicant and respondent has proved successful in the majority of cases.

In addition to the applications and complaints referred to, a vast amount of correspondence relating to telephone matters has been dealt with by the Board's Telephone Department, through the medium of which much information and assistance has been given to municipalities, companies and other persons interested, and many difficulties which might otherwise have necessitated a formal application and public hearing have been satisfactorily adjusted.

During the year the following changes were made in the Board's records of Telephone Systems coming within its jurisdiction:

All the Stock and Assets of The Robert Henry Edgar Telephone Company Limited were acquired by Mr. Wilfrid T. Smith, the affairs of the Company were voluntarily wound up and the System is now known as the Laurel Telephone System.

The Plant and Assets of The Home Telephone Company Ltd., were acquired by The Woodbridge and Vaughan Telephone Company Ltd.

The System known as the Cauthers Telephone System was acquired by the Everett Telephone Company Ltd.

The Plant and Assets of the following Companies previously operating about 129 telephones were sold to The Bell Telephone Company of Canada:

Uptergrove Telephone Company Limited,

Forest Home Telephone Company, Limited,

Sidney Telephone Company, Limited,

Coulson Jarratt Telephone Company, Limited,

Rumney Settlement Telephone Company, Limited.

The Brechin Exchange of The Bell Telephone Company was acquired by Mr. G. R. Robertson and is now operated as the Brechin Telephone System.

Letters Patent under the provisions of "The Companies Act" have been issued to the Lake St. Joseph Telephone Company Limited to operate in the Townships of Ponsford, Connell and McCullagh in the District of Patricia, and to The Thunder Bay Telephone Company Limited to operate in the Township of Schreiber in the District of Thunder Bay.

The number of telephone systems within the jurisdiction of Ontario of which the Board has record is 575, operating 114,705 telephones, 31,600 miles of pole lead carrying 191,069 miles of wire and representing an investment of over $11,000,000.

There are eleven systems owned and operated by municipalities under the provisions of Part I of "The Telephone Act", viz: the Cities of Fort William and Port Arthur, the Towns of Cochrane, Dryden, Fort Frances, Kenora, Keewatin and Rainy River, and the Townships of Alberton, Caledon and Hilliard.

One hundred and twenty-one systems are now established and operating under Part II of "The Telephone Act" and furnishing service in two hundred and seventy-seven towns, villages and townships.

In addition to the before mentioned systems, the Forestry Branch of the Department of Lands and Forests is operating an extensive system in connection with its work of fire prevention. This system comprises 768 telephone stations, 1,534 miles of pole lead, 1167 miles of tree line, and 5,301 miles of wire, the total investment being $333,844.37.

Detailed statistics and other information relative to these systems will be found in the appendix to this report, entitled "Telephone Systems, 1940."

JAS. A. McDONALD,

Inspector of Telephone Service.

ABSTRACT AND SUMMARY

DECISIONS OF THE BOARD

ARBITRATIONS

P.F.A.-8028.

IN THE MATTER of Section 79 of "The Highway Improvement Act" (R.S.O. 1937, Chapter 56), and

IN THE MATTER OF the Application of L. George Cloutier for the fixing by the Ontario Municipal Board of the amount of compensation to be paid to him for the expropriation by the Department of Highways of the Province of Ontario of part of the south half of Lot No. 6 in the Fourth Concession of the Township of Armstrong in the District of Temiskaming and being Parcel 3599 in the register for South Section Temiskaming in the Land Title Office at Haileybury.

J. A. Legris, Esq., K.C. .... Counsel for the Claimant,

H. J. Sims, Esq., K.C. .... Counsel for the Respondent.

DECISION OF THE BOARD

THIS CLAIM came on for hearing at the Court House in the Town of Haileybury on the 12th day of December, A. D. 1938 with J. A. Legris, Esq., K.C., for the Claimant, L. George Cloutier, and H. J. Sims, Esq., K.C., for the Respondent, the Department of Highways of the Province of Ontario.

The claimant is the owner of the south half of Lot Number 6 in the Fourth Concession of the Township of Armstrong in the District of Temiskaming. The Department of Highways by notice dated the 30th day of September, 1937, notified the claimant that it was expropriating a portion of his land, having an area of 6.678 acres more or less, fully described in the notice given. Afterwards, by notice dated July 29th, 1938, the Department of Highways further notified the claimant that it was expropriating 6.445 acres which lands were fully described in the memorandum attached to the said notice, the said last mentioned expropriation being of a different location than the first, with the result that 3 acres of the first expropriation was not taken under the second expropriation. The lands are expropriated for the purpose of constructing a curve which will eliminate a right angle turn from the road between lots six and seven to the road between Concession Three and Four, and are near the centre of the claimant's farm. 35.638 acres will be to the north and the balance of his lands being 66 acres, is to the south of the said lands expropriated.

It is agreed by the Department of Highways that a cattle pass 6 feet by 7 feet shall be constructed under the highway, so that cattle and horses can be taken from one part of the farm to the other without crossing the highway. The farm buildings are south of the lands expropriated and face on the existing highway being the road between Lots Number 6 and 7. The south west portion of the farm facing on the road between the third and fourth concession, is not now owned by the claimant, has been subdivided, and is now part of the Village of Earlton. The T. & N. O. Railway lands are on the north west side of the claimant's lands. It is proposed that an overhead bridge be built over the railway lands

It is admitted by the witnesses for the claimant, that very few farms in this locality have been sold within the last few years, and in giving evidence as to valuation, they say that the assessment is from 10% to 15% of the value of the land. The claimant himself is clerk, treasurer, assessor and collector of the municipality. He says that from 1933 to 1935, farms in that locality were of no value, that in 1933 his farm was assessed at $1250.00; that in 1937 his farm was assessed at $1150.00. He purchased the farm in 1933 from the Agricultural Development Board for $4600.00, the amount of the claim of the Board at that time, that he paid $500.00 on account, that at the time the buildings were poor, the house was not finished, and that he has since that time finished the house at a cost of about $450.00. He has made repairs to the barn at a cost of about $200.00, and cleared up the farm. He says that before expropriation, his farm was worth from $8500.00 to $9000.00, and that after the road is put through, his farm will be worth from $4000.00 to $5000.00. He claims on the first expropriation $667.00 for the land taken, and $2500.00 damages, and on the second expropriation $400.00 for the land taken and $663.00 for additional damages. He admits that he is in arrears on the mortgage for both principal and interest since 1934, and that he has not paid because of the improvements he has put on the farm. He has paid the taxes which amount to from $38.00 to $50.00 annually. He said that in 1936 the farm was worth $5000.00, that previous to expropriation it was worth from $8000.00 to $9000.00, but does not explain the reason for any difference between 1936 and 1937. In 1936 he gave a statement to the Agricultural Development Board and said that the farm was worth only $3000.00, and that he could not pay his principal and interest by reason of the fact that he was not getting any return from the farm. In his evidence he states that he cleared $1500.00 on the farm this year, but that he does not keep a bank account. He states that the cattle pass will not be of much benefit but when it was suggested that the cattle pass, which will cost the Department of Highways some $3000, be left out, he objected.

E. A. Martell, a farmer from Ruthers Township, would not give a valuation of the farm saying that it was very hard to value farms in the vicinity, but that he thought that the lands taken would be worth $1200.00, and that the depreciation would amount to more than that.

R. J. Webb, who lives five miles from the claimant's farm, said that the farm would be depreciated very greatly by reason of the road being built; that the road would be raised and the owner would not be able to see the cattle on the other side of the highway. He also said that it would be hard to work it with a tractor, but did not suggest that any tractors were being used in that vicinity. He said that there is no sale for farms at the present time but that he would not want to take $2000.00 for the depreciation, besides the value of the land taken.

A. Revolter, a farmer residing about three-quarters of a mile from the claimant, says that more than one-half of the value of the farm is gone; that he is the owner of a farm of 160 acres worth $12,000.00, but assessed for $1800.00; that the depreciation to the claimant's farm over and above the valuation of the land taken, would be $2000.00.

H. G. Loranger, a farmer in the Township of Armstrong, sold a right of way to the Department of Highways for $1500.00. In cross-examination it was pointed out that only 3.162 acres of his land was taken but that it left 3 acres on which the farm buildings were built, cut off from the rest of the farm. He says that his farm of 115 acres was worth $3000.00, but was assessed for $800.00.

George Poupose is the owner of a farm which he says is worth $8,000.00, and is assessed for $1800.00. He says that in his opinion the claimant's farm is depreciated in at least one-half of its value.

E. S. Seymour, a real estate man from New Liskeard, said that it was hard to value the amount of damages done to the farm by reason of the expropriation but he thinks that it cuts the value in two. He has not sold any farms in this vicinity and knows of no sales.

For the defense, Victor H. Langstaffe, a divisional engineer of the Department of Highways, had lived in the vicinity for over five years. He says that the claimant's farm was low, was not well drained, and that there were ponds existing on different portions of the land. He says that the drainage of the land has always been sluggish, that it is a heavy clay soil and flat, and that the cattle pass would cost about $3000.00.

R. Emerick, a former reeve of Eventual Township, lived in the vicinity of the claimant's farm for 36 years. He knows the farm and that it is perfectly flat. He considers the farm to be worth about $5000.00, but would not pay that for it if he needed a farm, as he could purchase many farms for less money. He says that it is low and after a rain is often covered with water, but considers that damages could be allowed in the following:

6½ acres of land taken at $30 per acre	$200.00
Damages for separation	600.00
TOTAL	$800.00

John McLean, a farmer of Dymond Township, says that he knows this farm well, that in 1915 it was sold for about $8000.00, which price included the stock and implements. He values the farm before expropriation at $3500.00, and says that the damages by reason of the expropriation would be about $1000.00 which he would divide as follows:

For the land taken	$500.00
Damages for separation	500.00
TOTAL	$1000.00

He says that the former owner of this land, in order to burn off the weeds and brush, had to dig ditches to the railway to drain it before he could set a fire.

W. H. Lowery, an auctioneer and valuator of New Liskeard, says that he carries on business in the vicinity of Earlton and that he knows the valuation of properties in that section. He has sold properties and values properties for many years. He says that a fair selling value of this farm before expropriation, was $3500.00, that in his opinion the claimant is entitled to $1050.00 by reason of the expropriation, and would allow him $400.00 for the 6½ acres taken and damages of $650.00 for severance.

W. J. Steves, inspector of agricultural loans at New Liskeard, who has lived in this vicinity for some 11 years, knows this farm well and places the valuation before expropriation of $4000.00, that by reason of the expropriation the value of the farm would be $3500.00. He says that proceedings have been taken for foreclosure and the highest offer he has been able to get for the farm is $3500.00, and that the department would be willing to sell for $3500.00 although the mortgage against the farm is much larger than that.

W. J. Lounsbury, a valuator of the Department of Highways, has had a very lengthy experience in the valuation of properties. He says that Cloutier is entitled to about $900.00 damages by reason of the expropriation and he placed his valuation as follows:

6½ acres at $35.00 per acre	$227.00
Severance 35 acres at $10.00 per acre	350.00
General damages	300.00
TOTAL	$877.00

He says that he has made great efforts to settle with the claimant without a reference to this Board, that he first offered $900.00, and afterwards he increased this offer to $1100.00, and this offer was afterwards increased to $1500.00 to avoid arbitration, but that the claimant refused to accept. In a discussion as to damages with the claimant, he did suggest an offer of $1800.00 realizing that the arbitration would be very expensive for the department.

In view of the fact that the farms in the vicinity are assessed for from $1000.00 to $1800.00, that the claimant himself in 1936 wrote to the Department valuing his farm at $3000.00, and the evidence tendered by the Department, the Board feels that the value of this farm is not more than $3500.00. Whether the fact that the claimant is assessor, tax collector, clerk and treasurer of the municipality, affects the evidence of the claimant's witnesses, or whether it is by reason of the fact that these witnesses have an enlarged opinion of the value of their holdings, the Board is not disposed to accept their evidence that the value of this farm is anywhere near $8000.00.

The Board finds that in offering the sum of $1500.00, the Department has offered more than the damages done to the claimant's farm by reason of the expropriation in view of the fact that the Department is building a cattle pass under the highway. During the course of the trial, it was suggested to the claimant that he release the department from the building of the cattle pass, but he refused this suggestion.

Under all of the circumstances, the Board finds that the claimant is entitled to the sum of $1200.00 in full of all of his damages by reason of the expropriation including the land taken and separation, and orders that the Respondent shall build for the claimant a cattle pass in accordance with the terms of the suggestion made. One Thousand Dollars of the said $1200.00, shall be paid by the Respondent to the Commissioner of Agricultural Loans in reduction of the mortgage against the said farm.

In view of the fact that the claimant was of the opinion that the cattle pass would not be of much benefit to him, it is suggested but only suggested, that further negotiations take place between the parties with reference to this branch of the case.

As to costs, the claimant having refused to accept the very generous offers from time to time made by the Department, the Board orders that he shall not be allowed any costs of these proceedings. The claimant shall pay the costs of this Board which are fixed at the sum of $15.00 to be deducted by the Respondent from the payment to be made, and forwarded to the Board.

DATED at Toronto this 24th day of January, A. D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8482,
8489,
8493,
8484,
8538,
8546.

IN THE MATTER of "The Grand River Conservation Act, 1938", AND IN THE MATTER of an Application by the Corporations of the Cities of Brantford and Kitchener, the Towns of Waterloo, Preston, Paris and Fergus, for reviewing of apportionment of the municipalities' share of the cost of the Grand River Conservation Scheme as determined by the Grand River Conservation Commission.

JUDGMENT DELIVERED BY THE CHAIRMAN AT CONCLUSION OF HEARING IN KITCHENER ON

November 23rd., 1939.

These are appeals, heard together by consent, from the assessment made by the assessors appointed under and by virtue of the Statutes of Ontario, 1938, Chapter 15, Section 8 (2). After the excessive floods in the valley of the Grand River during the spring freshet of 1929, the Honourable Wm. Finlayson, Minister of Lands and Forests, requested a report from Dr. T. H. Hogg and L. V. Rorke of the Hydro Electric Power Commission of Ontario, and a very extensive survey was made by James Mackintosh, an engineer of the Commission, in the year 1932. The report dealt with not only flood control but also water supply and sewage disposal. Owing to the drought in 1936, the matter was again taken up with the government when the Federal Government and the Government of the Province of Ontario agreed that each should pay 37½% of the cost of the development for the purposes of water supply, flood control and sewage disposal along the valley of the Grand River. In the year 1938, the government enacted what is known as "The Grand River Conservation Act", being Chapter 15 of the 1938 Statutes of Ontario by which the cities of Brantford, Galt and Kitchener, the towns of Paris, Preston, Waterloo and Fergus, and the village of Elora, were named as participating municipalities. The councils of the participating municipalities were to appoint the members of the commission to be known as the Grand River Conservation Commission as follows:

Brantford—three commissioners,

Galt and Kitchener—two commissioners each,

Paris, Preston, Waterloo, Elora and Fergus—one commissioner each.

The commission had power to appoint a chief engineer, a secretary-treasurer, and such other employees as may be necessary, and it had authority to study and investigate and determine a scheme, to carry out that scheme, and by subsection (e) of Section 8 "to determine the proportion of the total benefit afforded to each of the participating municipalities which is afforded to each of them."

The Commission appointed two assessors, James Mackintosh of the Hydro Electric Power Commission of Ontario, and Dr. J. L. Morris of the Department of Lands and Forests of the Province of Ontario, who made a complete study of the benefits to be afforded to the participating municipalities and determined the proportions to be paid by each of the municipalities and reported to the Commission. The Commission accepted the report and the division of costs made by the assessors, some of the commissioners, if not all, reserving the right to the municipalities which they represented to appeal from the report and take such action as the Councils of the municipalities deemed proper.

The Commission appointed Dr. H. G. Acres as Chief Engineer and following his report the Commission decided that the scheme should provide not only for floods, but also for water supply of the municipalities and disposal of sewage, and for that purpose determined that the Shand Dam should be built and a very large basin be constructed by which the flood waters of the Grand River in the spring should be collected so that it could be opened from time to time during the low water flow of the river.

All the municipalities with the exception of Galt and Elora, appealed from the findings as to division of costs, to this Board by virtue of Section 9 (2) of the Act. The Board appointed Tuesday, the 20th day of June, 1939, as the date for the hearing of the appeal. On that date at the request of the participating municipalities, the Board required the assessors to make a more detailed report on the division of costs, and then adjourned until Friday, the 8th day of September, 1939. On that date the Board determined the order for procedure and further adjourned the matter until the 20th day of September when the hearing proceeded and was continued on the 21st and 22nd days of September when a further adjournment was made until the 20th day of November, 1939, and the hearing proceeded on the 21st, 22nd and 23rd days of November.

The Board was very much impressed with the report of the two assessors and their evidence showed that their research had been exhaustive and very diligently proceeded with. The members of the Board feel that they should go further and say that they feel that the government of the Province of Ontario is very fortunate to be able to employ men with the ability of the two assessors and the Commission was very fortunate in being able to obtain their services for this work.

The assessors in forming their conclusion as to the division of benefits, had used municipal assessment as a basis of division under general benefit and outlet, but under the other headings, had used the municipal assessment weighted by the benefits to be afforded to each of the municipalities, so that in the end the evidence of W. S. Lea who gave evidence on behalf of Brantford, did not in any way in the opinion of the Board, detract from the weight of evidence given by the two assessors.

The only evidence, in the opinion of the members of the Board, that seriously contended that there should be any change made in the assessor's figures, was put forward by Brantford. This city employed the services of W. S. Lea of Montreal who had been employed some years ago by Brantford when their filtration plant was being constructed. He said at page 185 of the evidence in answer to a question by A. G. Slaght, K.C., Counsel for Brantford:

> "Well if the assessors had used population more, I would "not be opposed to it. I think that it is true that if "you are adopting only one single measure, population, "that population is the best you can take for sewage. "I admit that it will be influenced still by industrial "waste. There is reason also, I think, if you take "population into consideration in general benefit, that "there is much to be said for municipal assessment. I "have seen a thing like that used so often in a joint "scheme that I would not take any objection to it. I "might" not have used the same method as Mr. Mackintosh "used but since using that, I am not so sure that I am "right that I will make a statement that that is wrong. "I consider that the engineers and assessors, considering "everything that had to be done, have done a pretty good "job in bringing order out of chaos. I don't mean to say "that I agree with everything they did, but I would not "suggest that the whole basis be upset. There is reason "for using population."

The City of Brantford is the only one of the participating municipalities wholly dependent on the Grand River for its water supply and the maintenance of an increased flow is very important to that City. Mr. Slaght did not object to the proportions allotted to the different municipalities under the four headings, but argued that because the City of Brantford had a complete water filtration plant, that they should not be assessed 11.15% or 58% of the 19.08% allotted to water supply as shown by Exhibit 21. His suggestion was that the division under water supply should be assessed to the municipalities according to municipal assessment and not according to weighted municipal assessment as adopted by the Assessors. There is really nothing in the evidence to show why that division should be taken in a different manner to other divisions. The Board is unanimous in determining that the appeals of the City of Brantford, as well as all of the other appeals, should be dismissed and that the assessment made by the assessors should be upheld in the following proportions:

Brantford	38.43%
Paris	3.47%
Galt	16.25%
Preston	4.27%
Kitchener	28.76%
Waterloo	6.00%
Elora	.8%
Fergus	2.02%

With reference to costs, this matter has given the Board some concern. The Board considered that the appealing municipalities possibly should be given costs as against the Commission but more seriously considered whether or not the appealing municipalities should not pay the costs of the commission and of the non-appealing municipalities. There is nothing in the report or in the assessment that calls for an appeal because of uncertainty and the Board can find no real justification for the appeals taken by the different municipalities. Even after the first meeting of the Board and before much of the cost had been incurred, a further report as to the division of costs was given to the appealing municipalities and everything was done to explain. The non-appealing municipalities were put to the cost of defending the appeals and to bring in counsel to protect their interests. The Board seriously considered this question. However, we do feel that it would be in the interests of all of the participating municipalities that no costs should be allowed against any of the municipalities and that each party to these appeals should pay its own costs.

The Board regrets that the members of the Councils of the appealing municipalities were not sufficiently concerned in the appeals taken to attend the hearing. Had they so attended, they would realize the immense amount of work and care given to this project from its inception, not only by the members of the Commission but also by those whom they have appointed to carry on the work.

The appeals are dismissed without costs. The Commission will pay the Board's fees of $300.00 and the formal order of the Board will issue upon the application of the Commission.

P.F.A.-8192.

IN THE MATTER of Section 79 of "The Highway Improvement Act" (R.S.O. 1937, Chapter 56)

AND IN THE MATTER of the Claim of Arthur E. Still for compensation in connection with the expropriation by the Department of Highways for the Province of Ontario of portions of Lot 8, in Concession 7, and Lots 7 and 8, in Concession 8, of the Township of Medora, in the District of Muskoka, and Province of Ontario.

R. M. Best, Esq., K.C., ... Counsel for the Claimant,

H. J. Sims, Esq., K.C., ... Counsel for the Respondent.

DECISION OF THE BOARD

This is an application pursuant to Section 79 of "The Highway Improvement Act", and was heard by R. S. Colter, K.C., and D. S. Charlton, Chairman and Vice-Chairman of the Board, on the 9th day of June, A.D. 1939, at the Court House in the Town of Bracebridge.

The claimant is the owner of Lots Numbers 7 and 8 in Concession 8, and part of Lot 8 in Concession 7 in the Township of Medora in the District of Muskoka. The farm is not operated as a farm. The claimant has no horses or farm implements, has one cow and states that only twenty acres of the farm are in grass, the rest being bush and rocks. His sole income from the farm has been derived from rentals from the camping ground which he says amounted to $30.00 during the season. The Department of Highways is straightening the road through the said Township, and by such straightening has taken .23 acres of Lot 8, Concession 8, and .51 acres of Lots 7 and 8, Concession 7, of the claimant's farm, has made a fill across a portion of the bay which is in front of Lot 7 in the 8th Concession of Medora, and has made a cut through some of the parts of Lots 7 and 8, and by reason of the operations the claimant claims damages in the sum of $1,000.00 as depreciation in the value of building lots at Bass Lake on Lot 8 in the 8th Concession which he claimed have been rendered inaccessible by reason of the construction of the road. In his evidence the claimant stated that he did not consider the damage at Bass Lake important, and the Board does not think that it is important, by reason of the fact that the land is very rocky and of no use for any purpose whatever except perhaps to get into the balance of the claimant's lands in Lot 8. There is no doubt that the entrance to these lands has been affected to some extent.

The claimant also claims $1,200.00 as depreciation in the value of building lots closed off from Lake Joseph by construction of the fill across the bay. The building lots referred to by the claimant in his evidence were between the old road and the shore of the Bay. In no place was the width of the road between the lake shore and the old road more than 75 feet, and that for a distance of not more than 100 feet. The rest of the shore line was very narrow, not sufficiently deep to build a cottage, and was marshy. One of the claimant's witnesses, Mr. Alfred Mortimer, claimed that there was a frontage on the shore line of 700 feet, that out of this he could have set apart 6 lots, each of which could have been subdivided into 2 or 3 lots, and he valued this at more than $3.00 per foot frontage. In his cross-examination, he admitted that the depth of these lots would have to extend beyond the old road. He claimed that the damage by reason of the fill, to these lots, is one-half of $2,100.00. This witnesses' evidence does not appear to be substantiated by the facts. Had the road not been changed, not more than 2 building lots could have been acquired between the old road and the lake shore south of the new fill. No attempt has been made in the past by the claimant to sell any part of his lands as building lots, and with the exception of the two parcels mentioned, it is the opinion of the Board that there were no suitable building lots between the old road and the lake shore.

The parcel north of the old road in Lot 8, Concession 8, which the Claimant speaks of as the camping ground, is a high rocky ridge, with some grass growing on it. It is not suitable for cultivation, is not suitable for building lots as the rock falls very steeply on both sides. It has been used during the past, according to his evidence, as a camping site for tourists who go through and wish to put up for the night. From a view of the location, it is the opinion of the Board that this part of the claimant's land is not of much value but does bring some revenue as a camping site. The old road extended to the south side of this camp site and in building the new road the respondent has made a cut through, leaving the camp site practically cut off from the highway unless provision is made for a new road to it. The respondent has offered to build a new road so that entrance could be made to the camp site.

By reason of the location of the new road, the claimant's buildings are much further distant from the new road than they were from the old road.

Although a concrete boat-pass, 4 feet by 10 feet, has been built in the road so as to allow a boat to be taken through from the bay to the lake, this boat-pass will not give to the claimant as good an entrance for boating purposes as he had previous to the fill being made. The claimant claimed the sum of $500.00 for loss resulting from the closing of the waterway for the floating of logs and ties from Bass Lake to Lake Joseph due to the construction of the road across Bass Lake. The claimant admits that no logs or ties have been floated from Bass Lake to Lake Joseph in the past forty years. There is a very small creek extending from Lake Joseph to Bass Lake, and without a lot of expense this stream could not be used for the floating of logs. The claimant admits that he is not very much interested in this claim.

W. E. Hall says that the value of lots along the Muskoka Lakes is $3.00 per foot. He would not place a value on these lots, but he did say that the value since the new road has gone through, is considerably less than $3.00 per foot.

Thomas McDonald, who operates a gasolene station and general store some distance from the claimant's property, said that at one time he considered this property to be the best location on the Muskoka Lakes and says that at one time he spoke to a real estate operator, and asked him if Still would take $4,000 for the property. He did not pursue this inquiry. He says that the property is not worth more than $2,000.00.

J. H. Forbes, Clerk of the Township, said that the assessment of the whole of the claimant's farm was $1,000.00. 133 acres of ground was assessed at $400.00 and the buildings were assessed at $600.00. He said that there were 20 acres of grass and the balance of the property was rock and bush. He thought a fair market value of the whole property would be $2,400.00, and that the claimant should be allowed $400.00 in compensation for the damages suffered by him by reason of the change in the road.

Stuart Jackson, a councillor of the township, valued the farm at $2,000.00. He says that there has been no damage to the camp ground, that in his opinion the damage by reason of the fill across the lake would be $350.00, and that $50.00 would be the damage by reason of the cut through the claimant's property at Bass Lake.

A. L. Outram, assistant property valuator of the Department of Highways, says that in his opinion the damage suffered by the claimant by reason of this construction and expropriation at the outside is $550.00, and that offer was made to the claimant by the respondent.

The respondent has agreed to rebuilding fences on the claimant's property, and to construct a roadway to reach the camping ground. In the opinion of the Board if this fence is rebuilt and the roadway is constructed, the offer made by the respondent to the claimant was fair, and finds that the claimant is entitled to recover from the respondent the sum of $550.00, that the Department should rebuild the fences and construct an approach to what has been called the camp-site.

The circumstances do not warrant an added amount for forcible taking. There will be no order as to costs other than the Board's fees upon the application which are $15.00.

Formal Order of the Board will issue upon the application of the claimant directing payment in the sum of $550.00 with interest at 5% from the date of taking to the date of payment, and upon payment by the claimant of the Board's fees in the said sum of $15.00.

DATED at Toronto this tenth day of July, A. D. 1939.

(sgd.) R. S. COLTER,
Chairman.
(sgd.) D. S. CHARLTON,
Vice-Chairman.
(sgd.) COMMISSIONER.

ASSESSMENT APPEALS

P.F.A.-8287.

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272),

BETWEEN:

MARY E. and MARTHA CARTY ESTATES,
Appellants,

—and—

THE CORPORATION OF THE CITY OF TORONTO,
Respondent.

J. B. Allen, Esq., ... Counsel for the Appellants,

F. A. A. Campbell, K.C., ... Counsel for the Respondent.

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge with regard to the assessement of the lands and buildings known as 148-150 Yonge Street and 220-222 Yonge Street in the City of Toronto, and was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto, on Thursday, the 16th day of March, 1939.

Evidence on behalf of the Appellants was given by W. H. Bosley, Real Estate Agent, Toronto, and on behalf of the Respondent by V. H. Edwards of the Sterling Trusts Corporation and H. A. Wickett, Contractor.

Upon due consideration of the evidence the Board is unable to come to the conclusion that the assessment of the lands and buildings situated at 148-150 Yonge Street is in excess of the actual value thereof, and accordingly the appeal must be dismissed.

With regard to the lands and buildings situate at 220-222 Yonge Street the Board finds that the land rate of $6,000.00 per foot should be reduced to $5500.00 per foot and that the land rate of $5250.00 per foot should be reduced to $5000.00 per foot, and that the balance of the assessment should be confirmed.

Formal Order of the Board accordingly will issue upon application of the Appellants and the Appellants having paid the sum of $15.00 for Law Stamps on the issuance of the appointment, and success being divided herein, the said Appellants are entitled to recover costs in the said sum of $7.50 against the Respondent.

DATED at Toronto, this 12th day of May, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-7997.

IN THE MATTER of an Appeal from the Court of Revision of the Municipality of the Township of Walpole.

BETWEEN:

THE DOMINION NATURAL GAS COMPANY, LIMITED,
Appellant,

—and—

THE CORPORATION OF THE TOWNSHIP OF WALPOLE,
Respondent.

T. H. Simpson, Esq., K.C., ... Counsel for the Claimant,
Harrison Arrell, Esq., K.C., ... Counsel for the Respondent.

DECISION OF THE BOARD

AN APPEAL By the Dominion Natural Gas Company, Limited, from the Judgment of His Honour Judge West, Judge of the County Court of the County of Haldimand, dated the 19th day of September, A.D., 1938, whereby the learned Judge dismissed the appeal of the said Company from a decision of the Court of Revision which Court reduced the assessment of the appellant to:—

198 wells at $300.00 per well	$ 59,400.00
Lines, meters, service and equipment	203,120.00
TOTAL	$262,520.00

Exhibit 5 produced by Osborne Ebert, the assessor, who was called by the appellant, shows the assessment as made by him of 198 wells at $300.00 per well plus 20%, and lines, meters, service and equipment at $242,562.00 which includes a 20% increase, making a total assessment for 1938 of $313,842.00. The appeal was heard by all of the members of the Board on the 21st day of November, A.D. 1938, at the Court House in Cayuga.

On the 21st day of January, 1938, Harrison Arrell, Solicitor for the Township, wrote to the Company advising it that all assessments in the Township of Walpole, were to be increased 20% "in order to receive the full benefit of this subsidy (1 mill on assessment paid by the Province of Ontario)", and pointing out that the tax rate would naturally be lower. (Exhibit 1). The assessments of all ratepayers, including the appellants and all other gas companies and syndicates (of which there are many in the Township), were increased 20% by the assessor. The appellant was the only gas company or gas syndicate to appeal and the others paid their taxes. On appeal to the Court of Revision, the 20% added, was disallowed. The appellants are now asking for a further reduction, claiming, amongst other things,—

(1) That the assessment for income is excessive.

(2) That the assessment for meter service equipment is excessive.

(3) That the assessment is an overvaluation of the whole property.

(4) That the assessment is in unequal proportion.

(5) That the assessment is contrary to law and the provisions of The Assessment Act.

No evidence was tendered by the appellant to show that there was any inequality in their assessment as compared with the other assessments in the municipality.

Lines

The appellants are the owners of 198 wells in the Township of Walpole in the County of Haldimand. These wells are drilled under leases from the farmers. Some wells have been drilled for many years and are still producing gas. The balance of the wells have been drilled in later years but for the past number of years the company has not been drilling any wells, and has been purchasing gas from other companies and syndicates which have been drilling wells in the Township of Walpole and the other Townships adjacent thereto. The gas is transported from the wells by smaller pipe lines connecting with the large transportation lines running through the Township, and from these transportation lines the gas is distributed to the customers of the company. The gas in the transmission line is carried at a high pressure ranging from 50 to 100 pounds which is reduced before delivery to the customers to a pressure ranging from 4 ounces up. Carrying the high pressure as it does, the transmission line is necessarily kept in good repair so that there shall be as little leakage as possible. The 8 inch transmission line was installed in 1906 and most of the other lines have been installed since that date as is shown by Exhibit 8. From time to time, these lines as well as other lines belonging to the company, have been repaired by installing collars or taking out that part of the pipe which leaks.

It is admitted that deterioration of the pipe takes place by reason of corrosion or pitting, mostly occurring at the bottom of the pipe or at the joints. These pipes are for the most part, buried, and are placed along side of the highways throughout the township not far from the ditches along the highways, and by reason of this are well drained. H. R. Davis, called by the Appellant, says that the lifetime of 8 inch pipe line is 25 years, but that by reason of the fact that this pipe line has now been installed for 32 years, he gave a further lifetime of 6.68 years. He admitted in cross examination that the lifetime of a pipe line would depend very largely on the class of soil in which it was buried, but that he knew very little about the class of soil in the County of Haldimand. He admitted that the pipe line might last for 50 years, but that in his opinion by reason of the study that he has made of tables showing the lifetime of pipe lines, he would say that it would not last for longer than 6.68 years. The witness Davis admitted that he had not examined this pipe line and did not know its condition but that his estimate was based wholly on the tables above referred to.

W. A. McLean, a consulting engineer of Toronto, says that he examined parts of the pipe line, that the pipe line showed very little scaling and very little pitting, that the lifetime of a pipe depends on the class of soil in which it is buried, and that by reason of the length of time this pipe line has been in the ground, and the small amount of deterioration which has taken place in that length of time, he would say that the pipe line is worth at least 60% of its initial value. W. R. Dennis, who has had over 30 years experience in the gas business, said that he was with Mr. McLean when he examined parts of the pipe line and corroborates the evidence of value as given by Mr. McLean. Rodger Dennis, a farmer, who has had a gas line running to his house for over 27 years, also says that the 8 inch pipe looks good, there were very few pits, and practically no scaling, and he also corroborates the evidence of value as given by Mr. McLean.

By reason of the fact that witnesses for the respondent have examined parts of the pipe line, their evidence is given preference to the evidence given on behalf of the appellants as to the value of the pipe lines and the Board is unable to agree with the argument of the appellant.

Equipment:

The appellants complain that the pump heads used on some of the wells, and valued by the assessor at $54.00, were obsolete and that they were not now being used by well drillers in later years. These pump heads are pipes used for allowing the owners to blow out water which from time to time collects in the bottom of the well. They are still installed on 12 wells and while installed, should be assessed.

The small domestic meters, valued by the assessor, are meters installed by the company on the lines owned by the customers. These meters are sometimes installed in the houses and are so installed that they may be changed from time to time. The Board holds that they are not part of the lines and should not be assessed as real estate.

The appellant claims that the gate valves should not be assessed. The Board finds that they are assessable as they are used in the pipe lines.

The appellants acknowledge that in the assessment for equipment, the assessor has not assessed all of the meters, services, buildings, etc., and they admit that there are 399 services which they value at $1640.26, 18 large meters which they value at $4793.00, 6 regulators which they value at $200.60, and 22 small buildings which they value at $608.07, and they should be assessed at these figures.

Income:

The income from the wells has been assessed at $300.00 per well. The appellants have attempted to show that this is altogether too high an assessment and that the income from the wells should not be more than $59.63 per well. The production of the well is gauged by the open flow of the well. This open flow is measured by opening the well and allowing it to blow the gas into the open air, and is recorded by an instrument. It is admitted that this open flow depends altogether on the condition of the well with reference to water, the rock pressure, and other matters. The amount or the proportion of the open flow measurement which will be produced by the well into the pipe line, depends on the pressure of gas in the pipe line as well as the rock pressure of the well and the condition of the well as to water, leakages, etc. The line pressure in the distribution line, is not stationary. It varies from time to time. The rock pressure in all wells is different and it varies from time to time so that it is impossible to find as a fact what is really produced by any gas well into the distribution line, unless the production is measured by a meter on each well.

The appellants say that they purchase many million feet of gas from other companies, that from time to time they use gas from different wells of the other companies, and that from time to time they use gas from their own wells. They do not show the open flow of any particular wells used nor the period during which the production from those wells was put into the distribution lines. Mr. Lutz, the local manager of the company, said that the independent companys' wells were connected two days to each day that the appellant's wells were connected into the distribution lines. He does not say which wells were connected, whether they were wells that produced a large quantity of gas or wells which produced a small quantity. It might be here stated that the open flow production of different company wells ranged from 3000 cubic feet of gas per twenty-four hours, to 89,000 cubic feet of gas per twenty-four hours, so that the evidence of the appellant with reference to production of gas from wells in the Township of Walpole is most indefinite and can not be received by the Board in showing the income from the wells. The burden of proof is on the appellant. It must be shown to the satisfaction of the Board, that the assessment is wrong. The Board holds that the burden of proof has not been discharged and the assessment of $300.00 per well must stand.

The Assessor's Roll is directed to be amended as set out in Schedule "A" to this Order.

DATED at Toronto this 21st day of January, A. D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-7997

SCHEDULE "A" TO BOARD'S DECISION

198 wells at $300.00					$59,400.00
Pipe Lines					
8"	63464	ft. at	.98	$62,194.72	
6¼"	8975	" "	.54	4,846.50	
6"	44750	" "	.64	28,640.00	
5-⅝"	2831	" "	.45	1,273.95	
4⅞"	11936	" "	.36	4,296.96	
4-⅜"	6361	" "	.32	2,195.52	
4-¼"	3919	" "	.29	1,136.51	
4"	35836	" "	.39	13,976.04	
3-½"	566	" "	.28	158.48	
3"	116686	" "	.28	32,672.08	
2"	275413	" "	.13	35,803.69	
1-½"	4060	" "	.10	406.00	
1-¼"	1753	" "	.09	157.77	
1"	1602	" "	.07	112.14	187,870.56
12 pump heads at $54.00					648.00
Gate Valves					
11-8" at $27.60	$303.00				
7-6" at 12.00	84.00				
14-4" at 9.00	126.00				
22-3" at 7.20	158.40				
28-2" at 4.80	134.40				806.40
488-2 inch stops					1,634.26
18 large meters					4,793.00
399 services					1,640.26
22 small buildings					608.07
3 regulators					260.60
				TOTAL	$257,660.95

P.F.A.-8273

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272)

BETWEEN:

THE DOVERCOURT LAND BUILDING & SAVINGS COMPANY,
Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,
Respondent.

F. C. L. Jones, Esq., K.C., ...Counsel for the Appellant,

S. W. Graham, Esq., K.C., ...Counsel for the Respondent.

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge with regard to the Assessment on the lands known as Nos. 131-9 Yonge Street, in the City of Toronto, and was heard by the Board at its Chambers in the Parliament Buildings on Friday, the 10th day of March, 1939.

Evidence on behalf of the Appellant was given by E. E. Norman and F. B. Poucher, and on behalf of the Respondent by V. H. Edwards of the Sterling Trusts Corporation.

Upon due consideration of the evidence the Board has come to the conclusion that the Assessment of the lands should be reduced to the rate of $4,750.00 per ft. The building Assessment was not appealed.

Formal Order of the Board will issue upon application of the Appellant who having paid the sum of $15.00 for Law Stamps on the issuance of the Appointment herein is entitled to recover costs against the Respondent in the said sum of $15.00.

DATED at Toronto, this 26th Day of April, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8163.

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272)

BETWEEN:

A. L. ELLSWORTH,
Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,
Respondent.

Henry Langford, Esq., ... Counsel for the Appellant,
Palmer Kent, Esq., ... Counsel for the Respondent.

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge with regard to the Assessment of the lands and buildings known as 33-43 Adelaide Street West in the City of Toronto and was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto on Wednesday, the 1st Day of February, 1939.

Evidence on behalf of the Appellant was given by Frank McLaughlin and by V. H. Edwards on behalf of the Respondent.

Upon due consideration of the evidence the Board is unable to come to the conclusion that the Appellant has established as a fact that the said Assessment is in excess of the actual value of the lands and buildings.

Formal Order of the Board will issue upon application of the Respondent and Appellant having paid the sum of $15.00 for the Law Stamps on the issuance of the Appointment herein there will be no Order as to costs.

DATED at Toronto, this 24th Day of April, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8047.

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272)

BETWEEN:

M. GRANATSTEIN & SONS OF TORONTO, LTD.,
Appellant.

—and—

THE CORPORATION OF THE CITY OF TORONTO,
Respondent.

B. Luxenberg, Esq., K.C., ... Counsel for the Appellant,

F. A. Campbell, Esq., K.C., ... Counsel for the Respondent.

BOARD'S DECISION

This is an appeal from the decision of the County Court Judge upholding the Assessment by the Court of Revision of the buildings known as Numbers 482 and 490 Wellington Street West, and was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto, on Tuesday, the 7th day of February, A.D. 1939.

Evidence was presented on behalf of the Appellant by H. S. Kaplan and Wm. Forbes, and J. S. Granatstein, and on behalf of the Respondent by V. H. Edwards of the Sterling Trust and H. A. Wickett.

After due consideration to the evidence presented, the Board is unable to satisfy itself that the building in question is assessed for a greater amount than its actual value. Accordingly the appeal is dismissed.

Formal Order of the Board will issue upon application of the Respondent and the Appellant having paid the sum of $15.00 for Law Stamp on the issuance of the appointment herein, there will be no Order as to costs.

DATED at Toronto, this 31st Day of March, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8262

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272).

BETWEEN:

HALIFAX FIRE INSURANCE COMPANY,
Appellant.

—and—

THE CORPORATION OF THE CITY OF TORONTO,
Respondent.

H. E. Manning, Esq., ... Counsel for the Appellant.
F. A. Campbell, Esq., K.C., ... Counsel for the Respondent.

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge with regard to the Assessment of the lands and buildings known as Nos. 8-10 King Street West in the City of Toronto and was heard by the Board at its Chambers in the Parliament Buildings on the 1st and 22nd days of March, 1939.

Evidence on behalf of the Appellant was given by W. H. Bosley, Murray Bosley, and Frank McLaughlin of the Chartered Trust and Executor Company and on behalf of the Respondent by V. H. Edwards of the Sterling Trusts Corporation.

Upon consideration of the evidence presented, the Board is unable to come to the conclusion that the lands and buildings in question are assessed for an amount in excess of their actual value. The appeal must accordingly be dismissed.

Formal Order of the Board will issue upon application of the Respondent and the Appellant having paid the sum of $15.00 for Law Stamps on the issuance of the Appointment herein, there will be no Order as to costs.

DATED at Toronto, this 26th Day of April, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8299.

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272).

BETWEEN:

HON. A. C. HARDY and DOROTHY HARDY,
Appellant.

—and—

THE CORPORATION OF THE CITY OF OTTAWA,
Respondent.

A. S. Hardy, Esq., ... Counsel for the Appellant,

G. C. Medcalf, Esq., ... Counsel for the Respondent.

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge with regard to the Assessment of the lands and buildings known as Part of Lot 25 and Lots 26 and 27 on North Daly Avenue in the City of Ottawa, and was heard by the Board at the Court House in the said City of Ottawa on Wednesday, the 19th Day of April, 1939.

Evidence on behalf of the Appellant was presented by E. S. Sherwood and Mr. Thompson, Real Estate Agents of the City of Ottawa, and on behalf of the Respondent by C. M. Taylor, Architect, and A. H. Fitzimmons, Real Estate Agent, also of the said City of Ottawa. Upon due consideration of the evidence the Members of the Board feel that they are unable to come to the conclusion that the said lands and buildings are assessed for an amount in excess of their actual value and the appeal accordingly must be dismissed.

Formal Order of the Board will issue upon application of the Respondent and upon payment by the Respondent of the sum of $15.00, the Board's tariff fee for Law Stamps on the said Order. The Respondent is entitled to recover against the Appellant costs in the said sum of $15.00.

DATED at Toronto, this 2nd Day of May, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8905.

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272, Section 84).

BETWEEN:

INTERNATIONAL METAL INDUSTRIES LIMITED,

Appellant.

—and—

THE CORPORATION OF THE CITY OF TORONTO,

Respondent.

H. C. F. Mockridge, ... Counsel for the Appellant,

J. P. Kent, ... Counsel for the Respondent.

This is an appeal from the Judgment of His Honour Judge Parker, County Court Judge of the County of York, dated the 14th day of September, A. D. 1939, dismissing the Appellant's appeal from the Decision of the Court of Revision of the City of Toronto with regard to the Appellant's Income Tax Assessment for the year 1938 on income of 1937. The appeal was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto on the 27th day of October, A. D. 1939. The facts appear to be as follows:

A Company bearing the name of Clear Vision Pump Company, Limited, obtained a Federal Charter by Letters Patent dated the 10th day of November, A. D. 1922. The name of the Company was changed to Service Station Equipment Company, Limited, by Letters Patent, dated the 1st day of December, 1927. The name of the Company was again changed to Service Stations Limited by Supplementary Letters Patent dated the 6th day of June, 1929. The name of the Company was again changed to the International Metal Industries Limited, the one which it bears at present, by Supplementary Letters Patent dated 1st of May, 1934.

The purpose and object of the Appellant Company as set out in the original Letters Patent are as follows:

> "(a) To buy, sell, manufacture and deal in pumps,
> "machinery, tools, fittings, appliances, equipment,
> "and motor supplies;
>
> "(b) To carry on any other business (whether
> "manufacturing or otherwise) which may seem to the
> "company capable of being conveniently carried on
> "in connection with its business or calculated
> "directly or indirectly to enhance the value of or
> "render profitable any of the company's property
> "rights.
>
> "(c) To acquire, or undertake the whole or any part
> "of the business, property and liabilities of any
> "person or company carrying on any business which
> "the company is authorized to carry on, or possessed
> "of property suitable for the purpose of the company;
>
> "(r) To raise and assist in raising money for, and
> "to aid by way of bonus, loan, promise, endorsement,
> "guarantee, of bonds, debentures or other securities
> "or otherwise, any other company or corporation with
> "which the company may have business relations, and
> "to guarantee the performance of contracts by any
> "such company, corporation or by any such person or
> "persons;"

The Appellant controls and owns nine subsidiary Companies, the following five in Canada:

Service Station Equipment Co., Ltd.—Toronto,
Canadian John Wood Company, Ltd.—Toronto,
Hostess Corporation Ltd.—Toronto,
Fess Oil Burners of Canada, Ltd.,
Canadian John Wood Vancouver, Ltd.,

and the following four in the United States:

John Wood Manufacturing Co., Inc.—Conshohocken, Pa.,
Service Station Equipment Co.,
Superior Metal Products Co.,
Super Stoker, Incorporated.

The Canadian subsidiary, Service Station Equipment Company, Limited, is not to be confused with the Company bearing the same name which was one of the predecessors of the Appellant. The subsidiary was incorporated by Letters Patent in 1931 and thereupon began to carry on operations formerly carried on by Service Stations Limited, and the said Service Stations Limited took on the character of a Holding Company, subsequently having its name changed to its present one, International Metal Industries Limited.

John Wood Manufacturing Company Inc., an American subsidiary of which the remaining United States Companies are in turn subsidiaries, was originally organized under the name of Metal Wares Corporation and on or about the 2nd of April, 1934, the Appellant purchased the stock of the said Metal Wares Corporation, and obtained an amending Charter changing the name to John Wood Manufacturing Co., Inc.

The Appellant Company leases a room or office nine feet by twenty four feet from its Canadian subsidiary, Service Station Equipment Company Limited, at 101 Hanson St., in the City of Toronto, and the Respondent assessed the Appellant for income assessment pursuant to Section 9 (b) of "The Assessment Act" in the sum of $63,829.07 which is made up as follows:

Receipt of Interest Charges from John Wood Manufacturing Co., Pa.	$60,871.41
Receipt of Dividends and Interest earned on Investments	2,876.43
Receipt of Interest on Mortgages	1,581.23
	65,329.07
Less Statutory Exemption	1,500.00
	$63,829.07

The Appellant Company appealed to His Honour, Judge Parker, contending that:

1. It should be assessed for a business Assessment for its one room premises, 101 Hanson Street in that the managing, operating and controlling of the subsidiary Companies, carried on at that office, was "carrying on business" within the meaning of Section 8 (1) (k) of "The Assessment Act".
2. That the only income for which it should be assessed would be, pursuant to Section 9 (b) of the said Act, in respect of any income not derived from the business in respect of which it is assessable under Section 8, and that such income will not include the item $60,871.41 which had been received from the United States subsidiary, the John Wood Manufacturing Co. Inc.

The Appellant admitted that the two small items, namely, $2,876.43 and $1,581.23 came within the purview of the Section and requested that the Assessment be reduced from $63,829.07 to $2,963.07.

His Honour, Judge Parker, dismissed the appeal agreeing with the Appellant's contention that it is liable under the provisions of Section 8 to a business assessment of the said one room premises, but agreeing in effect with the Respondent that the assessment as made was on income "not derived from the business in respect of which it is assessable under that Section", and as such, liable to assessment pursuant to the provisions of Section 9 (b) of "The Assessment Act".

The Appellant then appealed to this Board and took the same position. The Respondent asked that the whole matter of the Assessment be re-opened, cited Section 86 of "The Assessment Act" as authority for so doing, and took the following position.

1. The Appellant Company is not liable to business Assessment in that it cannot qualify for any of the categories mentioned in Section 8 of "The Assessment Act" including (1) (k), and accordingly by virtue of Section 9 (a) of "The Assessment Act", is liable to income Assessment.
2. That the income assessment should include not only the present items in the Assessment as made, but in addition two items of $70,000.00 and $15,000.00 which were received by the Appellant Company from the American subsidiary, John Wood Manufacturing Co. Inc., which it claimed to be in payment of an engineering fee and in payment of a management fee respectively.
3. In the alternative, if it should be held that the Appellant Company is liable for business Assessment under Section 8 (1) (k), that not only the present Assessment composed of the three items above recited should be confirmed as being items "in respect of any income not derived from the business in which it is assessable under that Section" pursuant to Section 9 of "The Assessment Act", but that in addition the two items of $75,000.00 and $15,000.00 which were received by the Appellant from the American subsidiary, John Wood Manufacturing Company, also should be included in the Assessment.

The relevant sections of "The Assessment Act" are as follows:
Section 84, which gives the right of appeal to this Board.
Section 86, which reads:

> "Upon an appeal upon any ground against an assessment the Judge of the County Court or the Ontario Municipal Board hearing an appeal under Section 84, or the Court of Appeal, as the case may be, may reopen the whole question of the assessment, so that omissions from, or errors in, the assessment roll may be corrected, and the accurate amount for which the assessment should be made, and the person or persons who should be assessed thereafter may be placed upon the roll by such judge, Board or Court, and, if necessary, the roll of any particular ward or subdivision of the municipality, even if returned as finally revised, may be opened so as to make the same correct in accordance with the findings of such judge, Board or Court."

Section 8 (1) which reads:

> "Irrespective of any assessment of land under this act, every person occupying or using land for the purpose of any business mentioned or described in this section shall be assessed for a sum to be called "business assessment" to be computed by reference to the assessed value of the land so occupied or used by him, as follows:"
>
> (k)—
>
> "......................or any business not before in this section or in clause 1 specially mentioned, for a sum equal to twenty-five per centum of the assessed value."

Section 9 which reads:

> "(1) Subject to the exemptions provided for in Sections 4 and 8,—
>
> (a) Every corporation not liable to business assessment under section 8 shall be assessed in respect of income;
>
> (b) every corporation although liable to business assessment under section 8 shall also be assessed in respect of any income not derived from the business in respect of which it is assessable under that section.

"(2) The income to be assessed shall be the income received during the year ending on the 31st day of December then last past."

The Board must first deal with the question of whether or not the Appellant Company is carrying on business within the meaning of Section 8 (1) (k) of "The Assessment Act" and accordingly liable to be assessed for business for a sum equal to 25% of the assessed value of the premises. It is agreed that the one room in question would have an assessment of approximately $1,000.00, 25% of which would be $250.00.

The Members of the Board in coming to a conclusion, have had the privilege of listening to explanation of the Company's activities by Counsel, have heard the evidence given by two witnesses for the Appellant, W. J. Wesley, Secretary-Treasurer, and Comptroller of the Company, and T. H. Gibson, Assistant Secretary of the Appellant Company, have examined the Exhibits filed before His Honour Judge Parker which were filed with the Board at the present hearing, and the Board has also had the privilege of reading a transcript of the evidence taken before His Honour Judge Parker, on June 29th of this year, also filed as an exhibit before the Board.

Counsel for the Appellant contended that the business carried on is that of managing, operating and controlling subsidiary Companies. The claim for existence of such business of operating, managing and controlling being carried on in the premises in question, appears to be based upon the activities of one J. B. Balmer, a director and General Manager of the Canadian subsidiaries, and who is the individual alleged to be occupying the premises.

The following list of Directors and Officers of the Appellant and various subsidiary Companies is important in that it helps to give a complete picture of the said Balmer's relationship to the Appellant and subsidiary Companies.

INTERNATIONAL METAL INDUSTRIES LIMITED

The Directors and officers are as follows:

A. L. Ellsworth —President,
W. E. Maun —Vice-President and General Manager,
J. B. Balmer —Canadian General Manager,
H. J. Wesley —Secretary, Treasurer and Comptroller,
T. H. Gibson —Assistant Secretary.

Directors:

A. L. Ellsworth,
H. R. Tudhope,
H. W. Knight,
W. E. Maun,
M. H. Feldman,
J. B. Balmer,
D. M. Ramsay.

The Canadian subsidiary Companies are as follows:

SERVICE STATION EQUIPMENT COMPANY LIMITED, Toronto

J. B. Balmer —President,
W. E. Maun —Vice-President,
H. J. Wesley —Secretary,
T. H. Gibson —Assistant Secretary.

Directors:

J. B. Balmer,
H. J. Wesley,
W. E. Maun,
H. W. Knight.

CANADIAN JOHN WOOD COMPANY LIMITED, Toronto

J. B. Balmer —President,
W. E. Maun —Vice-President,
H. J. Wesley —Secretary,
T. H. Gibson —Assistant Secretary,
W. A. Aitken —Manager.

Directors:

J. B. Balmer,
H. J. Wesley,
W. E. Maun,
W. A. Aitken.

HOSTESS CORPORATION LIMITED, Toronto

J. B. Balmer —President,
W. E. Maun —Vice-President,
H. J. Wesley —Secretary,
T. H. Gibson —Assistant Secretary.

Directors:

J. B. Balmer,
H. J. Wesley,
W. E. Maun,
H. W. Knight.

FESS OIL BURNERS OF CANADA LIMITED, Toronto

J. B. Balmer —President,
W. E. Maun —Vice-President,
H. J. Wesley —Secretary,
T. H. Gibson —Assistant Secretary,
A. S. Morgan —Manager.

Directors:

J. B. Balmer,
H. J. Wesley,
W. E. Maun,
A. S. Morgan.

CANADIAN JOHN WOOD (VANCOUVER) LIMITED

J. B. Balmer —President,
W. E. Maun —Vice-President,
H. J. Wesley —Secretary,
T. H. Gibson —Assistant Secretary,
H. Crosley —Manager.

Directors:

J. B. Balmer,
H. J. Wesley,
W. E. Maun,
H. Crosley,
A. H. Douglas.

The American subsidiary Companies are as follows:

JOHN WOOD MANUFACTURING COMPANY INC.,

Conshohocken, Pennsylvania, Chicago, Illinois, Muskegon, Michigan.

W. E. Maun —President,
D. M. Ramsey —Vice-President,
M. H. Feldman —Vice-President,
H. J. Wesley —Secretary,
J. P. Boyle —Assistant Secretary.

Directors.

W. E. Maun,
J. B. Balmer,
H. J. Wesley,
M. H. Feldman.

SERVICE STATION EQUIPMENT CO.

Muskegon, Michigan, Conshohocken, Pennsylvania.

(Wholly owned subsidiary of John Wood Manufacturing Company Inc.)

W. E. Maun —President,
L. A. Prescott —Vice-President,
J. M. Thune —Vice-President,
H. J. Wesley —Secretary,
J. P. Boyle —Assistant Secretary,
N. C. Meyns —Assistant Secretary.

Directors:

W. E. Maun,
J. B. Balmer,
H. J. Wesley,
M. H. Feldman,
J. M. Thune.

SUPERIOR METAL PRODUCTS COMPANY

(Wholly owned subsidiary of John Wood Manufacturing Company Inc.)

W. E. Maun —President,
J. N. Welscher —Vice-President,
H. J. Wesley —Secretary.

Directors:

W. E. Maun,
M. H. Feldman,
J. B. Balmer,
H. J. Wesley.

SUPER STOKER INCORPORATED

(Wholly owned subsidiary of John Wood Manufacturing Company, Inc.)

W. E. Maun —President,
A. L. Wolfe —Vice-President,
J. P. Boyle —Secretary.

Directors:

W. E. Maun,
A. L. Wolfe,
J. P. Boyle.

The Following questions by Counsel and answers by the Witness Gibson before His Honour Judge Parker, are significant:

"Q. What do those premises consist of?

A. They consist of Mr. Balmer's office and the secretary's office.

Q. Who is Mr. Balmer?

A. Mr. Balmer is the Canadian General Manager of International Metal Industries, and a Director of that Company.

Q. And as Canadian General Manager of International Metal Industries Limited what are his duties?

A. To generally supervise and co-ordinate the work of the various subsidiary companies, to assist in carrying out the instructions of his President and Board of Directors of the parent company.

Q. Now, regarding Mr. Balmer who you have told us occupies as his office the premises covered by the lease, exhibit one, what does Mr. Balmer do? What are his duties?

A. His duties are to manage and supervise these various companies.

Q. And how does he do that?

A. He does that through his contact—his supervision of the plant managers and through reports to him from the managers, and of course from myself on the other end of the business, the financial end.

Q. Then, he receives these reports and then if there is a condition—we will say Service Station Equipment Company Limited plant; that is one of the Toronto plants?

A. Yes.

Q. A condition which he thinks requires some attention what would he do?

A. Why he would call in the plant superintendent, or if it was the sales manager call in the sales manager, or an accounting matter he would call in me probably, and straighten it out.

Q. Are there any records of the company kept in this office?

A. Yes, accounting records, dividend records, minute books, all contracts.

BY THE COURT: Q. Accounting 'records; what else?

A. Dividend records, shareholders' lists as we receive them from the trust company, from the registrars, all minute books, general contracts and agreements.

Witness Gibson cross-examined by Counsel for the Respondent:

Q. Mr. Gibson, the parent company, International Metal Industries, do not do any manufacturing themselves?

A. Not as a Company.

Q. They have no other space except this office which is approximately what size?

A. Oh, I have forgotten the exact measurements. I think it is about 40 x 11 or 12.

Mr. Mockridge: The lease says 9 x 24.

By Mr. Kent: Q. So that any business this company does actually is done—that is the space it occupies?

A. No, I do not think you can say that, Mr. Kent, exactly. These are Mr. Balmer's offices, but for instance, I do a great deal of work for International Metal Industries, and it is done through the Toronto office in general.

Q. Alright. Then, their work is more in the nature of checking up these various companies you are speaking of?

A. Well, when I said that to Mr. Mockridge it occurred to me I should have said Mr. Balmer does a certain amount of work such as locating new products for the various companies, and perhaps he might make a sales contact for a special line.

Q. What is Mr. Balmer in the Service Station Equipment Company?

A. He is president of that company.

Q. President?

A. He occupies that same position with all Canadian subsidiary companies.

Q. As to each of these companies then he is president?

A. Yes.

Q. Has he any other position in the company?

A. He is a director, no other official position.

Q. And has each of these companies a manager?

A. They have. I think they are called sales managers as a rule.

Q. Sales Managers?

A. Yes.

Q. All directly under Mr. Balmer?

A. Yes.

Q. Mr. Balmer is merely in the position of being manager of each of these companies?

A. Yes.

The evidence before the Board was substantially the same and the Board views as significant the fact that the answers of the witness, Gibson, given in outlining the said Balmer's duties, could very well have been given to questions regarding Balmer's function as President of each of the Canadian subsidiary Companies, and in fact it appears to the Board that the witness had in mind when making such answers, the said Balmer exercising functions as the President of each Canadian subsidiary, and not as a General Manager of the Canadian subsidiaries, exercising independent discretion.

There was no evidence tendered before the Board to show that any control or discretion of any kind over the American subsidiaries emanated from the premises in question, and furthermore the minute book of the John Wood Manufacturing Company, Incorporated, shows that at a special meeting of the stockholders held on July 14, 1934, By-law Number 12 was amended to read as follows:

> "The property and business of this Corporation
> "shall be managed by its Board of Directors which
> "shall consist of such number of Directors, not
> "exceeding eight and not less than three, as the
> "stockholders may deem advisable to elect. Directors
> "need not be stockholders. They shall be elected at
> "the annual meeting of the stockholders and each
> "Director shall be elected to serve until his
> "successor shall be elected and duly qualifies."

In any event while it may be quite true that Balmer when in the premises did communicate with officials of the Canadian subsidiary companies, the Board, with respect to the learned County Court Judge, has failed to see any evidence tending to establish the existence of any business of the Appellant. It would appear to the Board that any business which is carried on in the ordinary meaning of the term at the building at 101 Hanson Street, is business carried on by the subsidiary company, Service Station Equipment Company, Limited, and those other Canadian subsidiaries which occupy the premises at 101 Hanson Street.

The business of managing, controlling and operating subsidiary companies is not one mentioned in subsection 8 of "The Assessment Act", but counsel for the appellant contended that such business, if any such business was in existence, would come under the heading of "any business not before in this section or in clause "1" especially mentioned." Upon careful consideration of all of the evidence, the Board is unable to find that the Appellant Company is carrying on any business at the premises leased by it from its Canadian subsidiary at 101 Hanson Street, and finds as a fact that the Appellant is not carrying on any business at the said premises within the meaning of Section 8 (1) (k) of "The Assessment Act" and therefore is not liable to business Assessment thereunder.

The Board having found that the Appellant should not be assessed for business Assessment, the second point raised by the Appellant automatically fails as Section 9 (b) of "The Assessment Act" is applicable only to Companies which are liable to business Assessment. The Board wishes to state, however, that even if it had been able to find that the Appellant Company was properly subject to a business Assessment, it would have felt it proper to dismiss the appeal on the ground that the item of $60,671.41 was income not derived from the business in respect of which the Company was assessable under Section 8. The item was loan interest paid by the American subsidiary, John Wood Manufacturing Company, Incorporated, and there was no evidence of any kind to show that the said item was income derived from any business that might have been carried on in the Appellant's office at 101 Hanson Street.

Dealing with the second point raised by the Respondent Corporation, namely, that two additional items of $75,000.00 and $15,000.00 which were also received from the John Wood Manufacturing Company, Incorporated, should be included in the Assessment, the Board has come to the conclusion that the Respondent's contention is correct. The $75,000.00 item is shown in the Appellant's annual statement for the year 1938 as "engineering fee charged to a subsidiary Company". The $15,000.00 item is shown in the same annual statement as "management fee charged to a subsidiary Company". There is no evidence to show that the Appellant Company carried a staff of engineers and evidence was given that the said items of income were arbitrarily allotted under such headings, and the Board is unable to find that they are items of expense.

On explanation of this may have been the fact that the Appellant Company having regarded itself as being liable to a business Assessment and, therefore, liable for Assessment of only such income as may be derived from such business, that the arbitrary allotment was an attempt to reduce the amount of income for which they in these circumstances would have been liable to be assessed under the provisions of Section 9 (b). There was nothing in the Minutes of the John Wood Manufacturing Company, Incorporated, to show that the said items had been paid out under the headings as described.

The Board finds and directs that the Income Assessment of the Appellants should be amended as follows:

Receipt of Interest Charges from John Wood Manufacturing Company, Inc., Pa.	$ 60,871.41
Receipt of Dividends and Interest earned on investments	2,876.43
Receipt of Interest on Mortgages	1,581.23
Receipt of Management fee from subsidiary	15,000.00
Receipt of engineering fee from subsidiary	75,000.00
Total	155,329.07
Less Statutory Exemption	1,500.00
	$153,829.07

The Appellant shall pay the costs of this appeal including the Board's fee, which is hereby set at $25.00.

Formal Order of the Board will issue upon the application of the Respondent and upon payment of the Board's fee.

There is a further matter which the Board feels should be referred to. In looking over the Minutes of the John Wood Manufacturing Company, Incorporated, the Board find that at a meeting of the Board of Directors of the John Wood

Manufacturing Company Incorporated, held on December 24th, 1936, a dividend of $27.50 per share amounting in all to $275,000.00 was declared, and it was resolved that the said dividend should be paid forthwith. The Appellant Company was then the holder of all of the shares of the common stock of this company. At a meeting of the shareholders of the John Wood Manufacturing Company, Incorporated, held on December 17th, 1937, a dividend of $60.00 per share on the common stock of this corporation was declared from the earned surplus or profits to shareholders amounting in all to $600,000.00, and it was directed that the dividends should be paid forthwith. The Appellant was still the holder of all of the common shares of the John Wood Manufacturing Company, Incorporated. It is not clear to the members of the Board why the balance sheet of the Appellant Company for 1937 does not show the receipt of either of these sums.

DATED at Toronto this 13th day of December, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8191

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272),

BETWEEN:

A. LINZON, ESQ.,

Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,

Respondent,

M. Brown, Esq. .... Counsel for the Appellant

S. W. Graham, Esq., K.C. .... Counsel for the Respondent

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge with regard to the Assessment of the lands and buildings known as 576 Bay Street, 99, 101, 103 and 105 Dundas Street West and also the lands and buildings known as 129 Dundas Street West, in the City of Toronto. The appeal was heard by the Board at its Chambers in the Parliament Buildings, in the City of Toronto on Wednesday, the 15th day of March, 1939.

Evidence was given before the Board on behalf of the Appellant by G. W. Roberts of the Royal Bank and W. N. Lonsdale of the Toronto General Trusts Corporation to the effect that values in the vicinity had declined substantially and that the said properties in question were assessed for a value in excess of their actual value.

Evidence was presented on behalf of the Respondent by V. H. Edwards of the Sterling Trusts Corporation to the effect that the value of the properties in question was not less than the said Assessment.

After full consideration of the evidence and of the Assessment of the adjacent and neighbouring properties, the Board finds itself unable to come to the conclusion that the said lands and buildings are assessed in excess of their actual value.

Formal Order of the Board will issue upon application of the respondent and the appellant having paid the sum of $15.00 for Law Stamps on the issuance of the appointments herein, there will be no Order as to costs.

DATED at Toronto, this 22nd day of April, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8263

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272),

BETWEEN:

ALEXANDER MANNING ESTATE,

Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,

Respondent,

H. C. Walker, Esq., K.C. .... Counsel for the Appellant

F. A. Campbell, Esq., K.C. .... Counsel for the Respondent

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge with regard to the Assessment of the lands and buildings known as Nos. 22-28 King Street West in the City of Toronto and was heard by the Board at its Chambers in the Parliament Buildings on Thursday, the 2nd day of March, 1939.

Evidence was given on behalf of the Appellant by A. O. Meredith of Chambers and Meredith, Real Estate Agents, and on behalf of the Respondent by V. H. Edwards of the Sterling Trusts Corporation.

Upon due consideration of the evidence the Board is unable to come to the conclusion that the Assessment of the said lands and buildings is in excess of their actual value and the appeal must accordingly be dismissed.

Formal Order of the Board will issue upon application of the Respondent and Appellant having paid the sum of $15.00 for Law Stamps on the issuance of the Appointment herein, there will be no Order as to costs.

DATED at Toronto, this 26th Day of April, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8264

BETWEEN:

P. A. MANNING ESTATE,
Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,
Respondent,

H. C. Walker, Esq. .... Counsel for the Appellant
F. A. Campbell, Esq., K.C. .... Counsel for the Respondent

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge with regard to the Assessment of the lands and buildings known as 36-38 King Street West in the City of Toronto. The appeal was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto on Thursday, the 2nd Day of March, 1939.

Evidence was given before the Board on behalf of the Appellant by A. O. Meredith of Chambers & Meredith, Real Estate Agents, Toronto, and on behalf of the Respondent by V. H. Edwards of the Sterling Trusts Corporation.

Upon consideration of the said evidence the Board finds that the land Assessment should be reduced from $5,000.00 to $4,500.00 per foot, and that the Assessment on the buildings should be confirmed.

Formal Order of the Board will issue upon application of the Appellant who having paid the sum of $15.00 for Law Stamps on the issuance of the Appoinment herein is entitled to recover costs from the Respondent in the said sum of $15.00.

DATED at Toronto, this 22nd Day of April, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8230

IN THE MATTER OF An Appeal from the Court of Revision of the Village of Point Edward.

MICHIGAN STATE BRIDGE COMMISSION,
Appellant,

—and—

THE CORPORATION OF THE VILLAGE OF POINT EDWARD,
Respondent,

This is an appeal from the Judgment of His Honour Judge M. A. Miller, Judge of the County Court of the County of Lambton, confirming the assessment of the applicants with respect to what is called the centre span of the Blue Water Bridge situated within the Village of Point Edward.

As pointed out in the Judgment of His Honour Judge Miller, the appellants rely upon three points, the first one being that the bridge is the property of the Crown, the second that the bridge is a highway, and the third, that if the bridge is the property of the Michigan State Bridge Commission, it is not subject to taxation.

The Board entirely agrees with the findings of the County Court Judge on the first point raised by the appellant, and can add nothing to it except to point out that the Canadian part of the bridge is not crown property (R.S.O. 1930. Cap. 59), until the revenues of the bridge have retired the bonds to be issued for its construction.

The Board is in entire agreement with the findings of the Judge on the other two points raised by the appellants, and the appeal is therefor dismissed.

Following the usual practice of the Board in assessment appeals, there will be no order as to costs.

Formal Order of the Board will issue upon application and upon payment of the Board's tariff fees for law stamps in the sum of $15.00.

DATED at Toronto this 3rd day of April, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman,

(sgd.) D. S. CHARLTON,
Vice-Chairman,

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8265

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272),

BETWEEN:

NEW YORK LIFE INSURANCE COMPANY,
Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,
Respondent,

H. C. Walker, Esq., K.C. .... Counsel for the Appellant

Palmer Kent, Esq. .... Counsel for the Respondent

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge upon the lands and buildings known as 225, 231, 233, 235 and 235½ Yonge Street in the City of Toronto, and was heard by the Board at its Chambers in the Parliament Buildings on Wednesday, the 8th Day of March, 1939.

Evidence on behalf of the Appellant was given by G. H. Dinsmore of Gibson Brothers, M. P. Crowley and J. G. Pelton of the Appellant Company. H. A. Wickett, Contractor, and V. H. Edwards of the Sterling Trusts Corporation gave evidence on behalf of the Respondent.

After due consideration of the same the Board has reached the following decision:

225 Yonge Street—Building Assessment confirmed; Land Assessment $4,800.00 rate to be reduced to $4,300.00, $4,000.00 rate to be reduced to $3,700.00, $3,750.00 rate to be reduced to $3,600.00.

231 Yonge Street—Building Assessment of $15,000.00 to be reduced to $13,500.00; Land Assessment $3,500.00 rate to be reduced to $3,350.00.

233 Yonge Street—Building Assessment of $15,000.00 to be reduced to $13,500.00; Land Assessment $3,000.00 rate to be reduced to $2,800.00.

235 Yonge Street—Building Assessment $15,000.00 to be reduced to $13,500.00; Land Assessment confirmed.

235½ Yonge Street—Building Assessment $15,000.00 to be reduced to $13,500.00; Land Assessment confirmed.

Formal Order of the Board accordingly will issue upon application of the Appellant who having paid the sum of $15.00 for Law Stamps on the issuance of the Appointment herein is entitled to recover costs against the Respondent in the sum of $15.00.

DATED at Toronto, this 26th Day of April, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman,

(sgd.) D. S. CHARLTON,
Vice-Chairman,

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8261

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272)

BETWEEN:

NORWICH UNION LIFE INSURANCE SOCIETY,
Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,
Respondent,

H. E. Manning, Esq. .... Counsel for the Appellant
F. A. Campbell, Esq., K.C. .... Counsel for the Respondent

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge with regard to the Assessment of the lands and buildings known as Numbers 2-6 Toronto Street and 46-50 King Street East and was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto on Tuesday, the 28th Day of February, 1939.

Evidence was given before the Board on behalf of the Appellant by W. H. Bosley of W. H. Bosley & Company, Real Estate Agents, Toronto, and on behalf of the Respondent by V. H. Edwards of the Real Estate Division of the Sterling Trusts Corporation of the City of Toronto.

Upon due consideration of the evidence the Board has come to the conclusion that the land Assessment on both parcels namely the 24' 3½" parcel and the 19' 8" parcel should be reduced $100.00 per foot and that the building Assessment should be confirmed.

Formal Order of the Board will issue upon application of the Appellant, who having paid the sum of $15.00 for Law Stamps on the issuance of the Appointments herein is entitled to recover costs from the Respondent in the sum of $15.00.

DATED at Toronto this 24th Day of April, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-7451.

IN THE MATTER of Section 84 of "The Assessment Act", (R.S.O. 1937, Chapter 272),

BETWEEN:

THE OSHAWA RAILWAY COMPANY,
Appellant.

—and—

THE CORPORATION OF THE CITY OF OSHAWA,
Respondent.

J. P. Pratt, Esq., K.C., ... Counsel for the Appellant,
T. K. Creighton, Esq., ... Counsel for the Respondent.

DECISION OF THE BOARD

AN APPEAL by the Oshawa Railway Company from the Judgment of His Honour Judge Coleman, Judge of the County Court of the County of Ontario, dated the 6th day of April, A. D. 1938. The Appeal came on for hearing before this Board on Tuesday, June 7th, 1938, at the City of Oshawa.

The Appellant's main contention was in regard to the assessment, first, of the property on Hillcroft Street which was assessed at $79,590, made up as follows:

Land	$ 3,375.00
Buildings	60,300.00
Business	15,915.00

and secondly the property on Simcoe Street which was assessed at $53,130.00 made up as follows:

Land	$30,700.00
Buildings	22,420.00

In 1936 the assessment of the Hillcroft property for 1937 tax year was $38,925.00 made up as follows:

Land	$ 2,600.00
Buildings	28,540.00
Business	7,785.00

there having been an increase on the assessment of the land in 1937 of $775.00, and an increase in the assessment of the buildings for 1937 of $31,760, and the resulting statutory increase on business assessment of $8,130.00. The assessment on the Simcoe Street property in 1936 for the 1937 tax year, was for:

Land	$20,420.00
Buildings	11,875.00

being an increase in 1937 over 1936 on the assessment of the land of $10,280.00 and an increase in the assessment of the building of $10,545.00.

The appellant contended that part of the Simcoe Street property should not have been assessed as it does not come within the exception of station, freight sheds, offices, warehouses, elevators, hotels, round houses and machine repair and other shops, and contends that the rooms now being used as a store room, crew room, sub-station, section used for storing spare equipment, the basement of the sub-station, boiler room, vault for storage purposes, and basement of the store room, are exempt. The building on Simcoe Street in which most of these rooms referred to by the appellant, are contained, is used as a station, freight shed, offices, machine shop, and some parts of it are being rented to other corporations, and the Board finds that they are not exempt from taxation.

It was contended by the appellant that as the buildings had been assessed in 1936 for 1937 taxes, no change could be made until 1941 by reason of Section 44 of The Assessment Act, (R.S.O. 1937, Chapter 272). The reason for claiming that the five year period should start at 1936 instead of at some earlier time, was not given by the appellant. The Board is unable to agree with the contention of the appellant on this point.

The respondent claims that the appellant was not justified on its appeal in tendering evidence as to value, by reason of the fact that in its appeal from the Court of Revision to the County Judge, no evidence was offered as to value, and that the whole appeal was put in by written argument for both the appellant and respondent. With this contention the Board is unable to agree and holds that the appeal both to the County Judge and to this Board, is in the nature of a new trial, that the appellant is not limited to use of the witnesses which it tendered on any of the proceedings, and that it is allowed to tender such evidence as may be advised, on any of the appeals from the assessment.

The appellant also contends that the building situate on the Hillcroft property, is not suitable for the present operations. It was built in 1929 at a cost exceeding $81,000. There is no doubt that during the past few years at least, some of the traffic on which the company depends has fallen off by reason of existing conditions, but the building is still used for the purposes for which it was built.

The appellant called, as his first witness, Mr. Luke, an assessment commissioner for the City of Oshawa, who in 1937 had been engaged by the City of Oshawa with others, to equalize the assessment in Oshawa. These commissioners did their work in 1937, and their report was made to the council before the assessment for 1938. In reviewing the evidence of Mr. Luke, it must be kept in mind that although he was assessment commissioner for Oshawa, he was called as a witness for the appellant, and as such witness gave his opinion as to the valuations of other properties in the vicinity of both of the appellant's properties, and the valuation of the properties in question. He said, "There has been few sales of land in the business section of Oshawa for some years", and that he arrived at the valuation of the appellant's property by a process of deduction, by capitalizing the building from the rent basis, sales of property and tracking them down, and says that the valuations finally arrived at, were made by the Board of Assessors comprised of Joseph B. House of the Citizens' Research Institute, and two other men including the Number One real estate man of Oshawa. He says that in some sections of the City of Oshawa, properties were being assessed at from 45% to 50% of what the property was selling for, and that the prosperity of Oshawa is influenced more or less by the prosperity of one or two industries. In his opinion, the value of the Hillcroft building to the company would be $60,300. The Board was very much impressed by the manner in which he and the other assessment commissioners had fixed the valuations in the City of Oshawa, and the details given by him.

Mr. McLaughlin, called by the appellant, a real estate broker and valuator of the City of Toronto, valued the Hillcroft property as being a building which must be converted into a manufacturing building at much expense, as did Mr. R. S. Disney, who was called by the appellant.

The witnesses called by the respondent, upheld the evidence given by Mr. Luke as to valuation.

The Board finds that the appellant has not satisfied the Board that the assessment is too high, and the appeal is therefore dismissed.

DATED at Toronto this 24th day of February, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8692.

BETWEEN:

THE PERRY TELEPHONE SYSTEM

Appellant.

—and—

THE TOWNSHIP OF RICHMOND

Respondent.

—AND—

THE PERRY TELEPHONE SYSTEM

Appellant.

—and—

THE TOWNSHIP OF CAMDEN

Respondent.

DECISION OF THE BOARD

The appeals were heard by the Board on Friday, the 13th day of October, 1939, at the Board's Chambers in the Parliament Buildings in the City of Toronto, pursuant to Section 83 of "The Assessment Act" (Chapter 272, R.S.O. 1937). They were heard together upon consent, and came as a result of the Decision of the Courts of Revision of the Respondents which Decisions were appealed and the appeals dismissed by His Honour, Judge Madden, County Court Judge of the United Counties of Lennox and Addington. The facts are not in dispute and are set out in the Judgment of His Honour, Judge Madden, as follows:

"It was agreed that the mileage of the telephone lines was the length as shown on the respective rolls viz—46 miles of circuits plus 57 miles of extra circuits in the Township of Camden, and if assessable under the Act the assessment would be $2727.00, 37 4/10 miles of circuits and 30 7/10 miles of extra circuits in the Township of Richmond, and if assessable under the Act, the assessment would be $2292.00. Evidence was adduced showing that no single circuit or pair of wires extended for a distance of 25 miles, but the 46 miles and 37 4/10 miles in each Township was made up of the addition of a number of circuits of various lengths ranging from half a mile to six or seven miles in each Township. The appellant contends that as all single circuits were each less than 25 miles in length the system was not assessable. The respondents contending that the total length of all circuits exceeded a distance 25 miles that the system was properly assessable under Section 12, subsections 4 and 5. It was further agreed that the whole matter in this appeal was the interpretation of those two subsections 4 and 5 of Section 12. The lines of this system are not used as a connecting circuit between two or more central exchange switch boards. The system has central exchange switch boards at Napanee and Newburgh both of which serve the subscribers of the system in both Townships but the connecting circuit between the two switch boards is owned by The Bell Telephone Company of Canada. Evidence respecting distance and area was submitted, and I find as a fact that there is no one circuit of the appellant system 25 miles in length in either respondent Township."

Section 12, subsection (4) of "The Assessment Act" reads as follows:

Where a telephone company does not operate generally throughout Ontario and is not authorized by statute to carry on business throughout Ontario, the circuits placed or strung on poles or other structures or conduits operated or used by the company and the poles, structures or conduits used in connection therewith within any township shall be assessed at their actual value, but not exceeding in the whole the rates per mile prescribed by this section except that where the first circuit placed or strung on any poles or other structures of the company and included in the computation of the assessor consists of iron wire such value shall not exceed $50 per mile."

Section 12, subsection (5) reads as follows:

"In the computation of the length of such telephone circuits in a township the circuits placed or strung within a police village and every circuit placed or strung on poles or other structures or in conduits, and the poles, structures or conduits used in connection therewith, which does not exceed twenty-five miles in length and which is not used as a connecting circuit between two or more central exchange switchboards, shall not be included."

Upon due consideration, the Members of the Board are of the opinion that they must respectfully disagree with the learned County Court Judge and find that in view of the provisions of subsection (5) the Respondent Townships are not entitled to add the mileage of the circuits, and find that since none of the circuits exceeds 25 miles in length none are assessable.

The appeal, therefore, is allowed and formal Order of the Board will issue upon application of the Appellant and upon payment of the Board's tariff of fees upon the Order in the sum of $25.00.

There will be no costs to either party with the exception that the Respondents shall pay to the Appellant its costs incurred in payment of the Board's fee on the Order.

DATED at Toronto, this 3rd day of November, A. D. 1939.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8300-1-2.

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272),

BETWEEN:

SOVEREIGN REALTY COMPANY, LIMITED,
Appellant,

—and—

THE CORPORATION OF THE CITY OF OTTAWA,
Respondent,

BETWEEN:

FOSTER REALTY COMPANY, LIMITED,
Appellant,

—and—

THE CORPORATION OF THE CITY OF OTTAWA,
Respondent,

BETWEEN:

BRYSON ESTATE LIMITED,
Appellant,

—and—

THE CORPORATION OF THE CITY OF OTTAWA,
Respondent.

E. S. Sherwood, Esq., ... For the Appellant,

G. C. Medcalf, Esq., ... Counsel for the Respondent.

DECISION OF THE BOARD

The above are the appeals from the decision of the County Court Judge with regard to the northerly 49½ feet of Lot Number 6 on the north side of Queen Street, Lots A and Part of 1, North side of Queen Street, and Lots 1, 2 and 3 North side of Albert Street, respectively, in the City of Ottawa. The appeals were heard by the Board in the Court House in the City of Ottawa on Wednesday, the 19th day of April, 1939.

E. S. Sherwood, Real Estate Agent, was the only witness who presented evidence before the Board on behalf of the Appellants. A. H. Fitzimmons and the City Assessor gave evidence for the Respondent.

The appeal of the Sovereign Realty Company, Limited, was dismissed at the conclusion of the presentation of its case and decision was reserved with regard to the remaining two appeals.

After due consideration of the evidence before the Board the Members are unable to come to the conclusion that the properties in question are assessed in excess of their actual value and accordingly the appeals must be dismissed.

Formal Order of the Board will issue upon application of the Respondent and upon payment by the Respondent of the Board's tariff fee for Law Stamps in the sum of $20.00.

The Respondent is entitled to recover costs against the Appellant in the said sum of $20.00.

DATED at Toronto, this 2nd Day of May, A. D. 1939.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8065

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272),

BETWEEN:

J. & J. TAYLOR LIMITED

Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,

Respondent.

G. N. Shaver, Esq., K.C., ... Counsel for the Appellant,
F. A. Campbell, Esq., K.C., ... Counsel for the Respondent.

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge of the Assessment of the buildings known as Nos. 135-147 Front Street, Toronto, and was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto on Wednesday, the 8th day of February, 1939.

Evidence was given on behalf of the Appellant by Fred Wilson, Contractor, and John R. Gay, Realtor, and on behalf of the Respondent by H. A. Wickett, Contractor and V. H. Edwards of the Real Estate Division of the Sterling Trusts Corporation. After due consideration of the evidence herein, the Board is unable to find that the Appellant has successfully discharged the onus cast upon it by establishing that the said Assessment is in excess of the actual value of the buildings. The appeal is accordingly dismissed.

Formal Order of the Board will issue upon application of the Respondent and the Appellant having paid the sum of $15.00 for Law Stamps on the issuance of the appointments herein, there will be no Order as to costs.

DATED at Toronto, this 13th Day of March, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8270.

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272),

BETWEEN:

MILTON A. THOMAS ESTATE,

Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,

Respondent.

H. E. Manning, Esq., ... Counsel for the Appellant,

F. A. Campbell, Esq., K.C., ... Counsel for the Respondent.

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge with regard to the Assessment of the lands and buildings known as parts Lot 3 and No. 30 King Street West in the City of Toronto and was heard by the Board at its Chambers in the Parliament Buildings on the 22nd day of March, 1939.

Evidence on behalf of the Appellant was given by W. E. Thomas, Executor, and W. H. Bosley, Real Estate Agent, both of the City of Toronto. V. H. Edwards of the Sterling Trusts Corporation testified for the Respondent.

Upon due consideration of the evidence the Board has come to the conclusion that the land Assessment of $4,200.00 a ft. on the 20' parcel should be reduced to $4,000.00 per ft. and that the balance of the land Assessment and the building Assessment should be confirmed.

Formal Order of the Board will issue upon application of the Appellant who having paid the sum of $15.00 for Law Stamps upon the issuance of the Appointment herein is entitled to recover costs against the Respondent in the said sum of $15.00.

DATED at Toronto, this 26th Day of April, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8153

IN THE MATTER of "The Assessment Act" (R.S.O. 1937, Chapter 272),

BETWEEN:

SYDNEY TURNER,

Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,

Respondent.

A. J. Bentley, Esq., ... For the Appellant,

F. A. Campbell, Esq., K.C., ... Counsel for the Respondent.

DECISION OF THE BOARD

This is an appeal from the decision of the County Court Judge of the Assessment of the lands and buildings known as No. 43 Hayter Street, Toronto, and was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto on Friday, the 17th day of February, 1939.

Evidence was presented on behalf of the Appellant by A. J. Bentley, Realtor, and on behalf of the City by V. H. Edwards of the Real Estate Division of the Sterling Trusts Corporation. Upon due consideration the Board has come to the conclusion that the Appellant has not successfully discharged the onus cast upon him to show that the Assessment of the lands in question is in excess of their actual value. Accordingly the appeal as to the lands is hereby dismissed. With regard to the buildings it is the opinion of the Members of the Board that the Assessment thereon should be $8,000.00.

Formal Order of the Board will issue upon application of the respondent and the appellant having paid the sum of $15.00 for Law Stamps on the issuance of the appointments herein, there will be no Order as to costs.

DATED at Toronto, this 13th day of March, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

CAPITAL EXPENDITURES

P.F.A.-8220.

BEFORE:

R. S. COLTER, Esq., K.C.,
Chairman,

D. S. CHARLTON, Esq.,
Vice-Chairman,

W. P. NEAR, Esq., B.A. Sc.,
Commissioner.

IN THE MATTER of Sections 69 and 70 of "The Ontario Municipal Board Act", (R.S.O. 1937, Chapter 60), and

IN THE MATTER OF an Application by the said Corporation for an Order of the Ontario Municipal Board to dispense with a vote of the qualified electors in regard to such proposed expenditure and for approval of the undertaking of the capital expenditure involved, and

IN THE MATTER of a proposed debenture issue of $118,000 by the Corporation of the City of Ottawa to provide for the cost of certain grading and to construct certain pavements, sidewalks, curbs, boulevards, sewers, drains, watermains and water services in connection with the widening of the roadway on Elgin Street between Queen and Gloucester Streets in the said City.

G. C. Medcalf, LL.B., ... Counsel for the Applicant.

BOARD'S DECISION

The above application was heard by the Board at the Court House in the City of Ottawa on Tuesday, January 31st, 1939. With regard to the first application, namely, that of requesting an Order of the Board dispensing with a vote of the ratepayers, it should be noted that by Section 307 of "The Municipal Act", it is provided that:

"(1) Except where otherwise provided by this or any other act, the Corporation shall not incur any debt, the payment of which is not provided for in the estimates of the current year, unless a By-law of the council authorizing it has been passed with the consent of the electors."

There then follow certain exceptions of types of works for which it is not necessary to receive approval of the ratepayers. The work contemplated in the present application does not fall within any of the exceptions.

However, by Section 60 of "The Ontario Municipal Board Act", the Board is given power, after holding a public hearing, to order that the approval of the ratepayers ordinarily required under "The Municipal Act", be dispensed with, if the Board "is satisfied that such assent may, under all of the circumstances, properly be dispensed with."

At the hearing, the circumstances and reasons for the application were given to the Board by Counsel, and by two members of the Board of Control of the City of Ottawa. It was stated that the work in question was part of a larger scheme which had been entered into by agreement with the Federal Government, and that the Federal Government had stipulated that this work should be completed before the question of further assistance to the city would be considered by it.

It was admitted that the alleged agreement was not in definite form, but rather had been entered into by correspondence and by verbal agreement. The one letter which was placed before the Board written by the civic authorities to the Federal Government, expressed willingness to undertake the original works, subject to the approval of the ratepayers. It was admitted by all parties that as far as traffic requirements were concerned, the work was not at the present time a necessity but was part of the beautification scheme. It was further stated by the representatives of the city, that due to circumstances beyond their control, they had been unable to reach a decision with regard to the work, early enough in the year 1938 to place it before the electors for their approval at the same time as the municipal elections for the 1939 council.

The policy of the Board has been to use its power to eliminate the necessity of such approval only in instances where the time element was important having regard to an existing danger to human life, or where there was present some other extraordinary factor.

The members of the Board are convinced that some progress is being made in solving the admittedly serious question of municipal taxation by the growing practice of councils referring proposed expenditures of borrowed money to the ratepayers, the parties on whom the onus of repaying the said borrowings rests. Accordingly it has been the policy of this Board for some time to request that contemplated substantial expenditures of borrowed moneys, which would be a charge on the general tax rate, be submitted to the ratepayers for their opinion, even in instances where such submission is not otherwise required. The present application in effect requests that the Board not only suspend this policy, but that it go still further and eliminate the submission to the electors which in this instance is ordinarily required by "The Municipal Act".

After careful consideration and in view of the existence of the policy outlined, the Board is unable to find any circumstances which would warrant the exercise of their discretion. Accordingly the application of the City of Ottawa under Section 69 of "The Ontario Municipal Board Act", to dispense with a vote of the electors, is necessarily refused.

The Board wishes to make clear that it is not refusing to allow the proposed expenditure, is not expressing any opinion whatever upon the propriety of the proposed undertaking, and that it would be willing to entertain without prejudice a subsequent application for approval upon the municipality complying with the provisions of "The Municipal Act". In the opinion of the Board, the only time at which a true expression of opinion can be obtained from the ratepayers, is at the time of the municipal elections.

DATED at Toronto this 3rd day of February, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-8492-a.

IN THE MATTER of Sections 69 and 70 of "The Ontario Municipal Board Act" (R.S.O. 1937, Chapter 60) and

IN THE MATTER of the Application of the Corporation of the City of Guelph for an Order dispensing with a vote of the ratepayers in regard to proposed capital expenditure of $25,000.00 for the purpose of paving that portion of the roads in certain streets in the City of Guelph where the tracks formerly belonging to the Guelph Radial Railway are being removed.

Stewart Clark, Esq., K.C., ... Counsel for the Applicant,

A. Acker, Esq., ... Counsel for the Respondents.

DECISION OF THE BOARD

The application in the above was heard on Monday, the 26th day of June, at the City Hall, Guelph, by D. S. Charlton, Vice-Chairman of the Board, he having been deputized to take the evidence in the matter pursuant to Section 16 of "The Ontario Municipal Board Act".

At a meeting on June 5th the Council of the City of Guelph passed the following resolution:

> "That this Council petition the Ontario Municipal Board for a public hearing in order to satisfy the said Board that the assent of the electors to issue debentures for the sum of $25,000.00 payable by instalments over the period of five years for the purpose of paving that portion of the roads on certain streets where the tracks formerly belonging to the Guelph Radial Railway are being removed, may be dispensed with under the provisions of Section 69 of the Ontario Municipal Board Act, and that the City Solicitor be instructed to make the necessary arrangements."

Notice of the Board's hearing was published on the 14th day of June and there were no persons present objecting to the application, other than a group of ratepayers represented by A. Acker. The works requested to be approved without the assent of the ratepayers are as follows:

Street	From	To	Length in Feet
York Road	Victoria Rd.	Ontario	3180
Ontario	York Rd.	Neeve	2290
Neeve	Ontario	Surrey	880
Surrey	Neeve	Huskisson	700
Huskisson	Surrey	To Brick at Subway	550
Waterloo Ave.	Gordon St. Subway	Edinburgh Rd.	3100
Waterloo Ave.	Edinburgh Rd.	Silvercreek Rd.	3650

TOTAL—14,350 ft. @ $1.70 per ft.	$24,395.00
Contingencies, extra car track, etc.	605.00
TOTAL ESTIMATED COST	$25,000.00

At the hearing it was pointed out by Counsel for the Corporation, the Mayor and Members of the Council, that the streets in question were unsafe in their present condition, that there was the danger of lawsuits against the City, that the works were on Provincial Highways, that the Council was unanimously in favour of the step, that it was proper to pay for them out of general funds rather than assessing the cost pursuant to "The Local Improvement Act", because of the general use to which they would be put.

Counsel for the Respondents, a group of ratepayers, who have been subjected to a Local Improvement assessment under By-law No. 2052 in 1930 for a similar paving of track allowance on Suffolk Street, requested that the application be not granted unless a condition was included in the Board's Order that said Local Improvement levies be refunded to his clients and future levies cancelled. Mr. Acker contended that it had been the duty of the Railway Company throughout to take care of the track allowance paving, that to do the work in 1930 under "The Local Improvement Act" and now under general rates was discrimination against his clients and that they were entitled to a return of their payments.

Upon consideration of the application and the request of the Respondents, the Board finds that in view of the evidence submitted and in view of the complete absence of any opposition to the work itself, it is a case where the Board's Order should be granted, having particularly in mind the fact it was admitted by all parties that the present condition of the road is dangerous. With regard to the question of attaching a condition to the Board's Order directing a return of assessments made under By-law No. 2052 of 1930, the Board finds that a determination of whether or not a claim for such compensation exists is a matter in which this Board has no jurisdiction. Accordingly, such a request must be refused. The applicant Corporation having paid the Board's tariff of fees upon the application in the sum of $25.00, the Board's formal Order dispensing with a vote of the ratepayers will issue as of this date upon application.

The term of the repayment under the circumstances should be 5 years and the Order will so direct.

DATED at Toronto, this 3rd Day of July, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) W. P. NEAR,
Commissioner.

DETACHMENT OF FARM LANDS

P.F.A.-8468.

BETWEEN:

ROY BELL, JAMES BELL, THOMAS E. SHERRITT, RUSSELL BRODERICK, JOHN E. McEWEN, HENRY C. SOLDEN, CATHARINE McEWEN, MARY G. McEWEN, DONALD BURNS and PETER McNAUGHTON,

Applicants,

—and—

THE MUNICIPAL CORPORATION OF THE VILLAGE OF HENSALL, THE MUNICIPAL CORPORATION OF THE TOWNSHIP OF TUCKERSMITH, and THE MUNICIPAL CORPORATION OF THE TOWNSHIP OF HAY.

Respondents.

F. Fingland, Esq., K.C., ... Counsel for the Applicants,

F. Donnelly, Esq., ... For the Village of Hensall.

DECISION OF THE BOARD

This is an application pursuant to Section 21 of "The Municipal Act", being Chapter 266, R.S.O. 1937, which in effect provides that owners of lands within a Town or Village, wholly used for farming purposes and representing at least three-fifths of the assessed value of the lands proposed to be detached from such Town or Village, may petition the Board to detach such lands and annex the same to an adjoining Municipality, after hearing all parties interested.

Notice of the application to detach certain farm lands from the Village of Hensall was given to the above three recited Municipalities and the matter was heard at the Village of Hensall on Thursday, the 15th day of June, 1939. The two adjoining Townships of Tuckersmith and Hay in the County of Huron were represented by their officials and took a neutral position in the matter. Since the hearing, however, certified copies of Resolutions passed by the Councils of said Townships of Tuckersmith and Hay passed respectively on the 24th day of June and 3rd day of July have been forwarded to the Board. The said Resolutions recite the making of the application and express the willingness of the respective Councils "to have the farm lands now in the Village of Hensall belonging to the said applicants annexed to this Municipality; and is willing to collect and pay over to the Village of Hensall such sums (if any) as may be directed by the Municipal Board to be assessed and collected from any lands so transferred".

At the hearing Counsel for the applicants and certain of the applicants in person brought to the attention of the Board the following representations:

1. That by reason of parts of their farms being within the Village their taxes were substantially higher than the taxes of the adjoining farms in the Townships.

2. That all the entrances to the farm properties were either from a Provincial highway or from a County road.

3. That the farms are not supplied with any local improvements whatever by the Village.

4. That they received no benefit from being within the Village.

It was also stated that after the year 1939 the only outstanding debentures exclusive of Hydro debentures would be school debentures issued the first day of December, 1924. There remains to be paid on these debentures the sum of $2,300.00 and interest thereon, $1,000.00 and interest on the 1st day of December, 1940 and the balance of $1,300.00 and interest on the 1st day of December 1941.

Counsel and witnesses for the Village of Hensall contended that the Village would be injured should such detachment take place, that the assessment would be lowered and the Village rate unduly raised. It was also stated that when the Village was incorporated the owners of the lands in question were among those in favour of the incorporation. It was further contended that the inclusion of the said lands in the Village enhanced their value.

The Board has carefully considered the respective applications and in the unanimous opinion of the Members thereof it would appear to be a situation for which the Legislation was designed to afford relief. It appears to the Board that the applicants receive no benefits from the fact that their farm lands are included in the Village boundaries, and that they are justified in their contention that their farming operations are placed under a handicap when compared to the farming operations of similar lands in the Townships. Accordingly, the Board is willing to issue its Order giving effect to the above, setting out the lands by metes and bounds, naming the Townships to which the said lands will be attached and providing that the applicants' share of the present outstanding school issue shall be levied for in the years 1940 and 1941 by the said Townships and that the said sums shall be paid to the Village of Hensall.

The said sums to be so levied may be agreed upon by Counsel and failing agreement to be determined by the Board. Said Order will issue upon presentation of draft approved by both Counsel and upon payment by the applicant of the Board's fees in the sum of $25.00.

The Order will take effect as of the 1st day of January, A.D. 1940.

DATED at Toronto, this 10th day of July, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

DIRECT RELIEF—FUNDING A PORTION OF

Thursday, the 9th day of February, A.D. 1939.

IN THE MATTER of the Application of the Corporation of the City of Toronto for an Order of the Ontario Municipal Board approving of the undertaking of a capital expenditure on Direct Relief for the year 1939, amounting to a maximum of $1,400,000.00, which is the estimated amount excepting administration costs and costs of items not admittable of Government rebate, of the Corporation's share of the cost of Direct Relief in excess of $600,000.00 for the year 1939.

DECISION OF THE BOARD

THE CITY OF TORONTO having applied to the Board for the approval of the funding of $1,400,000.00, being the estimated amount in excess of $600,000.00 of the Corporation's share of the cost of Direct Relief for the year 1939, the Board, upon hearing counsel and upon consideration of the representations made and the material filed in support of the application, is of the opinion that the City of Toronto should provide as a minimum the sum of $600,000.00 in addition to the cost of administration and items not admittable for Government rebate, in its estimates for the year 1938, towards the cost of such Direct Relief and is prepared to approve the City of Toronto funding by the issue of serial debentures a maximum sum of $1,400,000.00 provided that debentures for $600,000.00 of the said sum may be issued for a maximum term of Four Years and debentures for $800,000.00 of the said balance may be issued for a maximum term of three years, the total sum of $1,400,000.00 being the balance of the estimated cost of Direct Relief for the year 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

AUTHORITY TO DISPENSE WITH FURTHER LEVIES WHERE AMOUNT IN SINKING FUND SUFFICIENT

P.F.A.-8459.

IN THE MATTER of Section 321 (b) of "The Municipal Act", as enacted by Section 18 of "The Municipal Amendment Act, 1939", (Chapter 93), and

IN THE MATTER of an Application by the Corporation of the City of Belleville for authority to dispense with further levies in regard to certain debts where the respective amounts in the sinking funds therefor, together with the estimated revenues therefrom, are sufficient to pay the principal of each of such debts as it becomes due.

A. B. Collins, Esq., K.C., ... Counsel for the Applicant,

F. L. Hancock, Esq., ... For the Dominion Mortgage and Investment Association.

DECISION OF THE BOARD

The above application was heard by the Board on Wednesday, the 31st day of May, at its Chambers, Parliament Buildings, Toronto. The same had been received pursuant to Section 321 (b) of "The Municipal Act" as enacted by Section 18 of "The Municipal Amendment Act, 1939" which said Section reads as follows:

Where amount in sinking fund sufficient.

321b. Notwithstanding the provisions of any general or special Act, if and when the amount in a sinking fund is sufficient, with the estimated revenue therefrom, to pay the principal of the debt as it becomes due, the council with the approval of the Municipal Board may not be required to raise or provide any further sum with respect to such debt.

Counsel for the Applicant filed a statement showing details of its sinking fund debenture debt and accumulation of funds in respect thereto as of December 31st, 1938, a copy of which is annexed hereto as Schedule "A". Certain sinking fund debenture By-laws shown therein, namely, By-laws Numbered 960, 2310, 1678, 1707, 1856, 2264, 1595, 1637, 1677 and 1871, which are found in Schedule "B" annexed hereto were shown to have been credited in the consolidated sinking fund with an amount already greater than the amount required to pay the principal of the respective debts incurred under the said By-laws, excepting By-law Number 1871. Counsel for the Applicant supported by His Worship, Mayor Bone and Alderman Haig asked that the Corporation be relieved from the necessity of making further levies not only with respect to principal levies for the sinking fund required by the By-laws in question, but also with respect to future interest levies required by the said By-laws, contending that the respective surpluses were sufficient to meet both the principal of the respective debts at maturity and the interest payments yet to be made thereon.

Upon due consideration the Board is satisfied that funds have already been accumulated to meet the principal of the respective debts incurred pursuant to all the By-laws, excepting By-law Number 1871, recited in Schedule "B". With respect to By-law Number 1871, while Schedule "B" shows the accumulated sum to be $320.38 less than the full principal amount required, it is obvious that the estimated revenue to be received from the sinking funds accumulated to date in respect of such By-law, when added to such accumulated fund will equal an amount in excess of the principal of the debt.

With regard to the question of interest levies, the Board finds that there are not yet sufficient funds in the consolidated sinking fund to meet the total sinking fund debenture debt and the interest thereon yet to be provided, and that it would not be in the best interest of the Municipality and the ratepayers thereof to in any way jeopardize the financial position of the said Municipality by allowing any moneys to be taken from the sinking fund to pay current interest under such circumstances.

It is noted from a perusal of the statement of sinking fund investments of the City of Belleville as of December 31st, 1938 that the amounts in sinking fund credited to the first six By-laws shown on Schedule "B" being Numbered 960, 2310, 1678, 1707, 1856 and 2264 form part of the sinking funds held by the City, while the amounts in sinking fund shown to be credited to the last four By-laws shown in Schedule "B", being, By-laws Numbered 1595, 1637, 1677 and 1871 form part of funds on deposit with the Provincial Treasurer of Ontario and the amounts credited thereto have been verified at the office of the Provincial Treasurer, Parliament Buildings, Toronto, as being correct as of the 31st day of March, 1939.

The Board is, therefore, satisfied that the amounts in the consolidated sinking fund credited to the By-laws recited in Schedule "B" are sufficient with the estimated revenue therefrom, to pay the principal of the respective debts as they become due and is willing to issue an Order whereby the Applicant Municipality may be relieved of the necessity of making further levies with respect to the principal sums of such debts. However, since the Legislation under which the Application is made will not actually be in effect until the 27th day of June of this year, the formal Order of the Board cannot issue until that time.

DATED at Toronto, this 8th Day of June, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

CITY OF BELLEVILLE

DETAILS OF SINKING FUND DEBENTURE DEBT AS OF DECEMBER 31st., 1938.

Name	By-Law No.	Date Of Issue	Rate	Maturity Date	Original Amount	Principal & Interest Annual Payment	Amount Required In Sinking Fund	Amount In Sinking Fund	City Portion	Property Owners' Portion
Consolidated	960	Nov. 1900	4	Nov. 15/40	90,000.00	4,794.00	82,886.06	106,668.47	90,000.00	
Pavements	2310	May 1921	6	May 15/41	305,464.12	29,696.65	263,668.18	322,330.69	119,413.51	186,050.61
"	2345	Jany. 1922	6	Jan. 2/42	170,290.87	16,555.68	137,929.74	166,788.40	66,002.58	104,288.29
Sewers	1678	Nov. 1911	5	Nov. 1/41	16,000.00	1,136.31	14,097.56	18,187.84	600.00	15,400.00
"	1707	May 1912	5	May 27/42	68,786.29	4,885.26	58,221.20	73,755.16	7,679.91	61,106.38
"	1856	Sept. 1913	5	Sept. 1/43	7,191.00	510.54	5,722.56	7,242.97	1,120.11	6,070.89
"	1975	Jany. 1915	5	Jan. 1/45	4,348.83	308.85	3,146.61	3,966.90	1,004.40	3,334.43
"	2175	July 1919	6	July 1/46	32,871.06	2,779.94	22,028.50	25,448.14	10,302.74	22,568.00
"	2257	Aug. 1920	6	Aug. 15/50	38,306.09	3,103.96	20,462.98	24,609.63	6,747.09	31,559.00
"	2406	April 1922	6	Apr. 5/52	36,305.77	2,941.50	16,971.79	20,017.06	7,892.09	28,413.68
Sidewalks	2264	Aug. 1920	6	Aug. 15/40	3,524.96	342.62	3,330.89	4,020.79	2,145.17	1,379.79
"	2394	Apr. 1922	6	Apr. 5/42	29,352.77	2,853.68	24,302.38	28,602.63	18,804.31	10,548.46
Schools	1595	Aug. 1910	4½	Aug. 1/40	30,000.00	1,980.57	27,402.91		30,000.00	
"	1637	July 1911	4½	July 3/41	35,000.00	2,310.67	32,044.66		35,000.00	
"	1677	Nov. 1911	4½	Nov. 1/41	35,000.00	2,310.67	30,100.25	212,384.19	35,000.00	
"	1871	May 1913	5	May 1/43	50,000.00	3,550.00	41,462.20		50,000.00	
"	1980	Jan. 1915	5	Jan. 1/45	7,704.00	522.56	5,368.56		7,704.00	
"	2408	May 1923	5½	May 1/52	120,000.00	8,739.61	52,349.38		120,000.00	
TOTAL SINKING FUND DEBT					$1,080,145.76		$841,496.41	$1,014,022.92	$609,415.91	$470,729.85
						Unallotted Profits		5,178.15		
								$1,019,201.07		

SCHEDULE "A"

By-Law Number	S.F. Interest Basis	Nature of Debt	Date of Expiry	Amount of Debt	Amount in Sinking Fund	Surplus	Coupon Interest Rate	Annual Principal		Annual Interest		Annual Levy	Last Assessment
								City's Share	Property Owners' Share	City's Share'	Property Owners' Share		
960	3%	Consolidated Debt	Nov. 15/40	90,000.00	106,668.47	16,668.47	4%	1,194.00		3,600.00		4,794.00	1940
2310	3%	Pavements	May 15/41	305,464.12	322,330.69	16,866.57	6%	4,444.21	6,924.32	7,164.83	11,163.29	29,696.65	1940
1678	3%	Sewers	Nov. 1/41	16,000.00	18,187.84	2,187.84	5%	12.61	323.70	30.00	770.00	1,136.31	1940
1707	3%	"	May 27/43	68,786.29	73,755.16	4,968.87	5%	161.40	1,284.55	384.00	3,055.31	4.885.26	1940
1856	3%	"	Sept. 1/43	7,191.00	7,242.97	51.97	5%	23.51	127.48	56.01	303.54	510.54	1942
2264	3%	Sidewalks	Aug. 15/40	3,524.96	4,020.79	495.83	6%	79.83	51.29	128.77	82.73	342.62	1939
1595	3%	Schools	Aug. 1/40	30,000.00	35,625.98	5,625.98	4½%	630.57		1,350.00		1,980.57	1940
1637	3%	"	July 3/41	35.000.00	39,309.48	4,309.48	4½%	735.67		1,575.00		2,310.67	1940
1677	3%	"	Nov. 1/41	35,000.00	38,981.28	3,981.28	4½%	735.67		1,575.00		2.310.67	1941
1871	3%	"	May 1/43	50,000.00	49,679.62	320.38	5%	1,050.00		2,500.00		3,550.00	1942
			Totals	640,966.37	695,802.28	54,835.91		8,067.47	8,711.34	18,363.61	15,374.87	51.517.29	

SCHEDULE "B"

LAND SUB-DIVISION PLAN

P.F.A.-8723.

IN THE MATTER of Section 6 of "The Planning and Development Act" (R.S.O. 1937, Chapter 270)

AND IN THE MATTER of the Application of Albert Unsworth, owner of the land, for approval of a certain land subdivision plan prepared by Messrs. MacKay and MacKay, Ontario Land Surveyors, and showing the proposed subdivision of Unsworth Heights, being parts of Lots 9 and 10, Concession 1, Township of East Flamboro.

Counsel:

C. W. R. Bowlby, K.C., ... Counsel for the Applicant,
H. S. Robinson, K.C., ... Counsel for the Township of East Flamboro,
A. J. Polson, K.C. .... Counsel for the City of Hamilton

BOARD'S DECISION

This is an application for approval of a subdivision plan heard by D. S. Charlton, Vice-Chairman (duly authorized under Section 16 of "The Ontario Municipal Board Act" (R.S.O. 1937, Chapter 60)), at the Council Chambers, Hamilton. There was no dispute as to the facts and the hearing consisted entirely of argument by Counsel. A plan had been prepared and presented to the respective Councils of Hamilton and East Flamboro, and had been rejected by both. The application to the Board is the result of such rejection. The land in question is parts of Lots 9 and 10, Concession 1 of the Township of East Flamboro lying immediately north of Highway No. 2 and immediately west of the road leading to the National Fireproofing Company. The existing road allowance is forty feet and the applicant has offered to give an additional thirteen feet to increase the width to fifty-three feet. It was also pointed out that the township had the power to expropriate an additional thirteen feet on the easterly side of the road to the fireproofing company with some expense involved. It was further argued by counsel for the applicant that the nature of the area did not demand a sixty-six foot roadway in that it was not built up and would not likely reach a stage of development for which a fifty-three foot roadway would be insufficient.

Counsel for the Township stated that they had adhered to the policy of requiring all plans to show a sixty-six foot roadway and while at the moment it might be that such an allowance would not be needed, that if account was taken of the future a narrower roadway probably would be unwise. Counsel for the Township further contended that Section 5, Subsection (3) of the act required both the municipal council's consent and the Board's consent before any plan of a roadway less than sixty-six feet in width could be registered, and that even if the Board approved of the application under Section 6, the continuing absence of municipal approval under Section 3 would be fatal to the registration of the plan.

Counsel for the City of Hamilton agreed with the contention of the township, and pointed out that it was a roadway in an area which was expected to develop, and one entering a main arterial highway.

The area was inspected by the Vice-Chairman and upon due consideration, the Members of the Board are of unanimous opinion that they can see no grounds for interfering with the decision of the municipalities involved, and accordingly the application must be dismissed. With regard to the second point raised by Counsel for the Township, the application pursuant to Section 6 of the act being dismissed, there is no purpose to be gained by giving an opinion with relation to such contention.

DATED at Toronto this 7th day of September, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

NATURAL GAS CERTIFICATES OF PUBLIC CONVENIENCE AND NECESSITY

P.F.A.-8563

Thursday, the 31st day of August, A.D. 1939.

BEFORE:

R. S. COLTER, Esq., K.C.,
Chairman,

D. S. CHARLTON, Esq.,
Vice-Chairman,

W. P. NEAR, Esq., B.A., Sc.,
Commissioner.

IN THE MATTER of Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277),

AND IN THE MATTER of a certain By-law Number 1357 of 1939 . . . of the Corporation of the Township of Dereham,

AND IN THE MATTER of an Application of Lee Webster Adams (Trustee for a Company to be incorporated as the "Beaver Utilities Limited" or such other name as the Provincial Secretary may grant), for a Certificate of Public Convenience and Necessity to construct works to supply and to supply gas to the residents of the Village of Mount Elgin, pursuant to the said Franchise By-law Number 1357 of 1939 of the said Township of Dereham.

TO:

HIS HONOUR, THE LIEUTENANT-GOVERNOR
OF THE PROVINCE OF ONTARIO

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of Lee Webster Adams (Trustee for a Company to be incorporated as the "Beaver Utilities Limited" or such other name as the Provincial Secretary may grant), for a Certificate of Public Convenience and Necessity, pursuant to Section 6 of "The Municipal Franchise Act" (R.S.O. 1937, Chapter 277), and upon reading the copy of the said By-law Number 1357 of 1939 of the Corporation of the Township of Dereham and the other material filed, and the Board having issued an Appointment on Notice for the Hearing of all parties interested, for Wednesday, the Fifth day of July, A.D. 1939, at Eleven O'clock in the forenoon, at the Town Hall in the Town of Ingersoll, and the Board having deputized James D. Flanders, Clerk of the Township of Dereham, to take the Hearing as aforesaid, and no one appearing at the said Hearing, pursuant to Notice as directed, in opposition to this Application, as appears by Affidavit of the said James D. Flanders filed with the Board.

THE BOARD CERTIFIES that Public Necessity and Convenience requires that approval or permission be granted to Lee Webster Adams (Trustee for a Company to be incorporated as the "Beaver Utilities Limited" or such other name as the Provincial Secretary may grant), to construct works to supply and to supply gas in the Village of Mount Elgin in accordance with the provisions of the said By-law Number 1357, A.D. 1939, intituled: "By-law Number 1357 A.D. 1939 of the Municipal Corporation of the Township of Dereham being a By-law to grant to Lee Webster Adams as Trustee for a Company to be incorporated to be known as "Beaver Utilities Limited," or such other name as the Provincial Secretary may grant, certain rights and privileges," which By-law was finally passed on the 14th day of June, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

P.F.A.-8396.

Tuesday, the 18th Day of April, A.D. 1939.

BEFORE:

R. S. COLTER, Esq., K.C.,
Chairman,

D. S. CHARLTON, Esq.,
Vice-Chairman, and

W. P. NEAR, Esq., B.A. Sc.,
Commissioner.

IN THE MATTER of Section 6, paragraph (c) of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), and

IN THE MATTER of By-law Number 6-1939 of the Corporation of the Town of Dunnville, granting to the Dunn Natural Gas Company, Limited the right and privilege of laying down, maintaining and operating gas pipes and mains along Main Street in the said Town of Dunnville, County of Haldimand, for a period of one year for the purpose of conveying natural gas to The Monarch Knitting Company, Limited in the said Town of Dunnville, County of Haldimand.

UPON THE APPLICATION of the Dunn Natural Gas Company, Limited and upon reading a copy of the said By-law and the other material filed,

THE BOARD ORDERS under and in pursuance of the provisions of Section 6, paragraph (c) of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277) that the said By-law Number 6-1939, of the Municipal Corporation of the Town of Dunnville in the County of Haldimand, intituled: "A By-law to authorize The Dunn Natural Gas Company, Limited to lay gas pipes and mains along certain roads of the Corporation of the Town of Dunnville, in the County of Haldimand and the Province of Ontario, and to supply gas within the limits of the said Corporation to the Monarch Knitting Company, Limited only." be and the same is hereby approved.

(sgd.) R. S. COLTER,

Chairman.

P.F.A.-8138.

Thursday, the 15th Day of June, A.D. 1939.

BEFORE:

R. S. COLTER, Esq., K.C.,
Chairman,

D. S. CHARLTON, Esq.,
Vice-Chairman,

W. P. NEAR, Esq., B.A. Sc.,
Commissioner.

IN THE MATTER of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277, Section 8), and

IN THE MATTER of By-law Number 5-1934 of the Corporation of the Village of Alvinston, and

IN THE MATTER of an Application of the Union Gas Company of Canada, Limited, for a Certificate of Public Convenience and Necessity to construct works to supply and to supply gas in the Corporation of the Village of Alvinston.

TO:

HIS HONOUR, THE LIEUTENANT-GOVERNOR
OF THE PROVINCE OF ONTARIO
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of the Union Gas Company of Canada, Limited, for a Certificate of Public Convenience and Necessity, pursuant to Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), and upon reading the copy of the said By-law Number 5-1934 of the Corporation of the Village of Alvinston and the other material filed, and the Board having issued an Appointment on Notice for the Hearing of all parties interested, for Friday, the 26th Day of May, 1939, at Ten O'clock in the Forenoon, at the office of the Municipal Clerk, and the Board having deputized Mr. John Steele, Clerk of the Village of Alvinston, to take the Hearing as aforesaid, and no one appearing at the said Hearing, pursuant to Notice as directed, in opposition to this Application, as appears by Affidavit of the said John Steele filed with the Board.

THE BOARD CERTIFIES that Public Necessity and Convenience requires that approval or permission be granted to the Union Gas Company of Canada, Limited, to construct works to supply and to supply gas in the Corporation of the Village of Alvinston in accordance with the provisions of the said By-law Number 5-1934 intituled: "By-law Number 5-1934 of the Village of Alvinston. A By-law to grant "a franchise to Union Gas Company of Canada, Limited", which By-law was finally passed on the 15th day of November, 1934.

(sgd.) W. P. NEAR,

Commissioner.

P.F.A.-8140

Thursday, the 15th Day of June, A.D. 1939.

BEFORE:	IN THE MATTER of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277, Section 8), and
R. S. COLTER, Esq., K.C., Chairman,	IN THE MATTER of By-law Number 13 of 1935 of the Corporation of the Township of Brooke, and
D. S. CHARLTON, Esq., Vice-Chairman, and W. P. NEAR, Esq., B.A. Sc., Commissioner.	IN THE MATTER of an Application of the Union Gas Company of Canada, Limited, for a certificate of Public Convenience and Necessity to construct works within the said Township for the purpose of supplying gas in or for the benefit of other Municipalities.

TO:

HIS HONOUR, THE LIEUTENANT-GOVERNOR

OF THE PROVINCE OF ONTARIO

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of the Union Gas Company of Canada, Limited, for a certificate of Public Convenience and Necessity, pursuant to Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), and upon reading the copy of the said By-law Number 13 of 1935 of the Corporation of the Township of Brooke and the other material filed, and the Board having issued an Appointment on Notice for the Hearing of all parties interested for Friday, the 26th Day of May, 1939, at Ten O'Clock in the Forenoon, in the Brooke Township office, and the Board having deputized Mr. W. J. Weed, Clerk of the said Township of Brooke to take the Hearing as aforesaid, and no one appearing at the said Hearing, pursuant to Notice as directed, in opposition to this Application as appears by Affidavit of the said W. J. Weed filed with the Board.

The BOARD CERTIFIES that Public Necessity and Convenience requires that approval or permission be granted to the Union Gas Company of Canada, Limited, to construct works within the said Township for the purpose of supplying gas in or for the benefit of other Municipalities in accordance with the provisions of the said By-law Number 13 of 1935, intituled: "By-law Number 13 of 1935 of the Township of Brooke", which By-law was finally passed on the 11th Day of November, 1935.

(sgd.) W. P. NEAR,

Commissioner.

A.-8137.

Monday, the 12th Day of June, A.D. 1939.

BEFORE:

R. S. COLTER, Esq., K.C.,
Chairman,

D. S. CHARLTON, Esq.,
Vice-Chairman, and

W. P. NEAR, Esq., B.A., Sc.,
Commissioner.

IN THE MATTER of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), Section 8, and

IN THE MATTER of By-law Number 439 of the Corporation of the Township of Camden, and

IN THE MATTER of an Application of the Union Gas Company of Canada, Limited, for a certificate of Public Convenience and Necessity to construct works within the said Township for the purpose of supplying Gas in or for the benefit of other Municipalities.

TO:

HIS HONOUR, THE LIEUTENANT-GOVERNOR
OF THE PROVINCE OF ONTARIO

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of the Union Gas Company of Canada, Limited, for a Certificate of Public Convenience and Necessity, pursuant to Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), and upon reading the copy of the said By-law Number 439 of the Corporation of the Township of Camden and the other material filed, and the Board having issued an Appointment on Notice for the Hearing of all parties interested, for Thursday, the 25th day of May, 1939, at Two O'clock in the Afternoon, in the offices of the Clerk of the said Township in the Town of Dresden, and the Board having deputized Mr. M. S. Blackburn, Clerk of the said Township of Camden, to take the Hearing as aforesaid, and no one appearing at the said Hearing, pursuant to Notice as directed, in opposition to this Application, as appears by Affidavit of the said M. S. Blackburn filed with this Board.

THE BOARD CERTIFIES that Public Necessity and Convenience requires that approval or permission be granted to the Union Gas Company of Canada, Limited, to construct works within the said Township of Camden for the purpose of supplying Gas in or for the benefit of other Municipalities, in accordance with the provisions of the said By-law Number 439, intituled: "By-law Number 439 of the Township of Camden", which By-law was finally passed on the 16th day of December, 1935.

(sgd.) R. S. COLTER,

Chairman.

P.F.A.-8455.

Monday, the 26th Day of June, A.D. 1939.

BEFORE:	IN THE MATTER of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277),
R. S. COLTER, Esq., K.C., Chairman,	AND IN THE MATTER of By-law Number 952 of the Corporation of the Village of Norwich,
D. S. CHARLTON, Esq., Vice-Chairman, and W. P. NEAR, Esq., B.A., Sc., Commissioner	AND IN THE MATTER of an Application of the Norotto Gas Company, Limited (Assignee of the Povic Syndicate) for a Certificate of Public Convenience and Necessity to construct works to supply and to supply gas to residents of the Village of Norwich.

TO:

HIS HONOUR, THE LIEUTENANT-GOVERNOR
OF THE PROVINCE OF ONTARIO
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of the Norotto Gas Company, Limited (Assignee of the Povic Syndicate), for a Certificate of Public Convenience and Necessity, pursuant to Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), and upon reading the copy of the said By-law Number 952 of the Corporation of the Village of Norwich and the other material filed, and the Board having issued an Appointment on Notice for the Hearing of all parties interested, for Monday, the Fifth Day of June, 1939, at Ten O'clock in the Forenoon, at the Council Chamber, in the Village of Norwich, and the Board having deputized Mr. A. L. Bushell, Clerk of the Village of Norwich, to take the Hearing as aforesaid, and no one appearing at the said Hearing, pursuant to Notice as directed, in opposition to this Application, as appears by Affidavit of the said A. L. Bushell, filed with the Board.

THE BOARD CERTIFIES THAT Public Necessity and Convenience requires that approval or permission be granted to the Norotto Gas Company, Limited, (Assignee of the Povic Syndicate) to construct works to supply and to supply gas to residents of the Village of Norwich, in accordance with the provisions of the said By-law Number 952, A.D. 1938, intituled: "By-law Number 952 A.D. 1938, of the Municipal Corporation of the Village of Norwich. Being a By-law to grant to the Povic Syndicate certain rights and privileges," which was finally passed on the 6th day of December, A.D. 1938.

(sgd.) D. S. CHARLTON,

Vice-Chairman.

P.F.A.-8456-A

Thursday, the 25th Day of May, A.D. 1939.

BEFORE:

R. S. COLTER, Esq., K.C.,
Chairman,

D. S. CHARLTON, Esq.,
Vice-Chairman, and

W. P. NEAR, Esq., B.A. Sc.,
Commissioner.

IN THE MATTER of Section 6, paragraph (c) of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), and

IN THE MATTER of By-law Number 863 of the Corporation of the Township of South Norwich, being a By-law granting to William A. Coates, his successors and assigns, the right and privilege to use and occupy the highways, squares and public places of the said Township, and to construct and operate thereon and therein, such system of mains, pipes, services and works as he may deem necessary and advisable for a period of one year from the 10th day of May, 1939, in accordance with Agreement therefor dated the 25th day of April, 1939.

UPON THE APPLICATION of the Norotto Gas Company, Limited, (assigns of the said William A. Coates) and upon reading a copy of the said By-law and the said Agreement incorporated therein and the other material filed,

THE BOARD ORDERS under and in pursuance of the provisions of Section 6, paragraph (c) of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), that the said By-law Number 863 of the Corporation of the Township of South Norwich, intituled: "By-law Number 863 of the Municipal Corporation of the Township of South Norwich, being a By-law to grant to William A. Coates certain rights and privleges." be and the same is hereby approved.

(sgd.) R. S. COLTER,
Chairman.

P.F.A.-8562.

Thursday, the 31st day of August, A.D. 1939.

BEFORE:

R. S. COLTER, Esq., K.C.,
Chairman,

D. S. CHARLTON, Esq.,
Vice-Chairman,

W. P. NEAR, Esq., B.A. Sc.,
Commissioner.

IN THE MATTER of Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277),

AND IN THE MATTER of a certain By-law Number 3 (1939) of the Township of North Oxford,

AND IN THE MATTER of an Application of Lee Webster Adams (Trustee for a Company to be incorporated as the "Beaver Utilities Limited" or such other name as the Provincial Secretary may grant), for a Certificate of Public Convenience and Necessity to construct works to supply and to supply gas to the residents of the Village of Beachville, pursuant to the said Franchise By-law Number 3 (1939) of the said Township of North Oxford.

TO:

HIS HONOUR, THE LIEUTENANT-GOVERNOR

OF THE PROVINCE OF ONTARIO

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of Lee Webster Adams (Trustee for a Company to be incorporated as the "Beaver Utilities Limited" or such name as the Provincial Secretary may grant), for a Certificate of Public Convenience and Necessity, pursuant to Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), and upon reading the copy of the said By-law Number 3 (1939) of the Corporation of the Township of North Oxford and the other material filed, and the Board having issued an Appointment on Notice for the Hearing of all parties interested, for Wednesday, the Fifth Day of July, A.D. 1939, at Eleven O'Clock in the Forenoon, at the Town Hall in the Town of Ingersoll, and the Board having deputized Miss Elizabeth Ann Seldon, Clerk of the Township of North Oxford, to take the Hearing as aforesaid, and no one appearing at the said Hearing, pursuant to Notice as directed, in opposition to this Application, as appears by Affidavit of the said Elizabeth Ann Seldon filed with the Board.

THE BOARD CERTIFIES that Public Necessity and Convenience requires that approval or permission be granted to Lee Webster Adams (Trustee for a Company to be incorporated as the "Beaver Utilities Limited" or such name as the Provincial Secretary may grant), to construct works to supply and to supply gas in the Village of Beachville in accordance with the provisions of the said By-law Number 3, 1939 intituled: "By-law No. 3, 1939 of the Corporation of the Township of North Oxford a By-law to authorize Lee Webster Adams as Trustee for a Company to be incorporated to be known as Beaver Utilities Limited or such other name as the Provincial Secretary may grant, to lay gas pipes and mains along the Township roads of the Corporation of the Township of North Oxford in the County of Oxford, and to supply purified natural gas within the limits of the said Township," which By-law was finally passed on the sixth day of May, 1939.

(sgd.) R. S. COLTER,
Chairman.

P.F.A.-8561.

Thursday, the 31st day of August, A.D. 1939.

BEFORE:

R. S. COLTER, Esq., K.C.,
Chairman,

D. S. CHARLTON, Esq.,
Vice-Chairman, and

W. P. NEAR, Esq., B.A.Sc.,
Commissioner.

IN THE MATTER of Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277),

AND IN THE MATTER of a certain By-law Number 826 (1939) of the Corporation of the Township of West Oxford,

AND IN THE MATTER of an Application of Lee Webster Adams (Trustee for a Company to be incorporated as the "Beaver Utilities Limited" or such other name as the Provincial Secretary may grant), for a Certificate of Public Convenience and Necessity to construct works to supply and to supply gas to the residents of the Village of Beachville, pursuant to the said Franchise By-law Number 826 (1939) of the said Township of West Oxford.

TO:

HIS HONOUR, THE LIEUTENANT-GOVERNOR

OF THE PROVINCE OF ONTARIO

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of Lee Webster Adams (Trustee for a Company to be incorporated as the "Beaver Utilities Limited" or such name as the Provincial Secretary may grant, for a Certificate of Public Convenience and Necessity, pursuant to Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277) and upon reading the copy of the said By-law Number 826 (1939) of the Corporation of the Township of West Oxford and the other material filed, and the Board having issued an Appointment on Notice for the Hearing of all parties interested, for Wednesday, the 5th day of July, 1939, at Eleven O'clock in the Forenoon, at the Town Hall in the Town of Ingersoll, and the Board having deputized Mr. Frederick James Curry, Clerk of the Township of West Oxford, to take the Hearing as aforesaid, and no one appearing at the said Hearing, pursuant to Notice as directed, in opposition to this Application, as appears by Affidavit of the said Frederick James Curry filed with the Board,

THE BOARD CERTIFIES that Public Necessity and Convenience requires that approval or permission be granted to Lee Webster Adams (Trustee for a Company to be incorporated as the "Beaver Utilities Limited" or such other name as the Provincial Secretary may grant) to construct works to supply and to supply gas to the residents of the Village of Beachville in accordance with the provisions of the said By-law Number 826 (1939) intituled: "By-law No. 826, 1939 of the Corporation of the Township of West Oxford, A By-law to authorize Lee Webster Adams as Trustee for a Company to be incorporated to be known as Beaver Utilities Limited or such other name as the Provincial Secretary may grant, to lay gas pipes and mains along the Township roads of the Corporation of the Township of West Oxford in the County of Oxford, and to supply purified natural gas within the limits of the said Township," which By-law was finally passed on the 2nd day of May, 1939.

(sgd.) R. S. COLTER,
Chairman.

P.F.A.-8168.

Friday, the 20th Day of January, A.D. 1939.

BEFORE:

R. S. COLTER, Esq., K.C.,
Chairman,

D. S. CHARLTON, Esq.,
Vice-Chairman,

W. P. NEAR, Esq., B.A. Sc.,
Commissioner.

IN THE MATTER of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277) Section 8 and

IN THE MATTER of By-law Number 1080 of the Corporation of the Town of Picton granting a franchise to the MayGold and Natural Gas Syndicate to construct works to supply and to supply gas to the residents of the said Town, and

IN THE MATTER of the Application of the May-Gold and Natural Gas Syndicate for a Certificate of Public Convenience and Necessity therefor.

TO:

HIS HONOUR THE LIEUTENANT-GOVERNOR OF THE PROVINCE OF ONTARIO IN COUNCIL.

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of the Maygold and Natural Gas Syndicate for a Certificfiate of Public Convenience and Necessity, pursuant to subsection (2) of Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277); upon reading a copy of the said Franchise By-law Number 1080 of the Corporation of the Town of Picton; and the said Application having come on for hearing pursuant to appointment and notice thereof as directed, on the 4th Day of January, A.D. 1939, at the Court House in the Town of Picton, before D. S. Charlton, Esq., Vice-Chairman of the Board (duly authorized under Section 16, R.S.O. 1937, Chapter 60), no one appearing in opposition to the Application and the Board having on the said 4th Day of January, A.D. 1939, adopted the Report and recommendation of the Vice-Chairman that such Application be granted.

THE BOARD CERTIFIES that public convenience and necessity require that approval or permission be granted to the MayGold and Natural Gas Syndicate to construct works to supply and to supply gas to residents of the Corporation of the Town of Picton, pursuant to the said Corporation's Franchise By-law Number 1080, passed the 6th Day of December, A.D. 1938.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) R. S. COLTER,
Commissioner.

P.F.A.-8140-a

Saturday, the 10th Day of June, A.D. 1939.

BEFORE:

R. S. COLTER, Esq., K.C.,
Chairman,

D. S. CHARLTON, Esq.,
Vice-Chairman, and

W. P. NEAR, Esq., B.A. Sc.,
Commissioner.

IN THE MATTER of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), Section 8, and

IN THE MATTER of By-law No. 68-F of the Corporation of the Township of Sarnia, and

IN THE MATTER of an Application of the Union Gas Company of Canada, Limited, for a certificate of Public Convenience and Necessity to construct works within the said Township for the purpose of supplying gas in or for the benefit of other Municipalities

TO:

HIS HONOUR, THE LIEUTENANT-GOVERNOR
OF THE PROVINCE OF ONTARIO

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of the Union Gas Company of Canada, Limited, for a Certificate of Public Convenience and Necessity, pursuant to Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277), and upon reading the copy of the said By-law Number 68-F of the Corporation of the Township of Sarnia and the other material filed, and the Board having issued an appointment on Notice for the Hearing of all parties interested, for Wednesday, the 17th day of May, 1939, at Ten O'clock, in the Forenoon, at the Township Clerk's Office, S. part of lot 66, Con. 9, and the Board having deputized Mr. E. S. Phillips, Clerk of the said Township of Sarnia to take the Hearing as aforesaid, and no one appearing at the said Hearing, pursuant to Notice as directed, in opposition to this Application, as appears by Affidavit of the said E. S. Phillips, filed with the Board,

THE BOARD CERTIFIES that Public Necessity and Convenience requires that approval or permission be granted to the Union Gas Company of Canada, Limited, to construct works within the said Township for the purpose of supplying gas in or for the benefit of other Municipalities in accordance with the provisions of By-law Number 68-F, intituled: "By-law Number 68-F of the Township of Sarnia", which By-law was finally passed on the 4th day of November, 1935.

(sgd.) W. P. NEAR,
Commissioner.

P.F.A.-7973

REFUNDING PLAN

IN THE MATTER OF "The Department of Municipal Affairs Act, R.S.O. 1937, Chap. 59", and

IN THE MATTER of an Application by the Corporation of the Town of Mimico for an Order approving, authorizing and confirming a Plan for the refunding, readjustment and reorganization of certain of the debenture and other indebtedness of the Corporation of the Town of Mimico.

G. W. G. Gauld, Esq.,	Counsel for the Town of Mimico,
T. D. Leonard, Esq., K.C.,	Counsel for the Debenture Holders Committee,
G. R. Munnoch, Esq., K.C.,	Counsel for the Prudential Insurance Co.,
A. VanEvery, Esq.,	Counsel for the Department of Municipal Affairs,
H. A. Hall, Esq.,	Counsel for the National Sewer Co.,
H. L. Steele, Esq.,	Counsel for the Town of New Toronto.

BOARD'S DECISION

The Corporation of the Town of Mimico applied to the Board for an Order under Part III of "The Department of Municipal Affairs Act", (R.S.O. 1937, Chapter 59), approving, authorizing and confirming the plan dated the 1st day of October, 1938, for the refunding, readjustment, and re-organization of certain of the debenture and other indebtedness of the said Corporation.

The application was heard on the 25th day of October, A.D. 1938, and approval was granted. Application was also made by Counsel for the Prudential Insurance Company for an Order of the Board pursuant to Article X, Section 2, of the said refunding plan of the Town of Mimico, requiring that the Town of Mimico and the Town of New Toronto pay the costs of the Prudential Insurance Co. incurred in the prior abortive proceedings and the present application in the amounts of $1500.00 and $1000.00 respectively.

It was contended by Counsel for the Prudential Insurance Company, that it was necessary the Company be represented at the abortive hearings and the present hearing by reason of its special position as the owner of debentures held outside of the Province of Ontario, and that the Company had substantially contributed to the final acceptance of the plan.

Counsel for the Town of Mimico and the Town of New Toronto, contended that the Prudential Insurance Company is not entitled to have its costs paid by the towns, since it did not choose to be represented by the Debenture Holders Committee, and that to allow costs to every creditor which might choose to be represented by separate Counsel, would be to impose an unreasonable expense on the municipalities concerned.

The Board has inspected records of the prior proceedings of the abortive hearings for the Mimico plan and the relation of New Toronto thereto, and after careful consideration of the whole matter, has come to the conclusion that it must support the contention of Counsel for the Municipalities of Mimico and New Toronto and refuse to grant the order asked.

Counsel for the Town of New Toronto also asked that the Town of Mimico be ordered to pay its costs in the amount of $250.00 in connection with the abortive proceedings of 1936. The Board is not convinced of the propriety of such an Order and accordingly dismisses the said application.

DATED at Toronto this 27th day of February, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman.

(sgd.) W. P. NEAR,
Commissioner.

RESTRICTED AREAS

P.F.A.-8212

IN THE MATTER of "The Municipal Act", (R.S.O. 1937, Chapter 266) Section 406 (2b), and

IN THE MATTER of the Application of the Village of Forest Hill for approval of its By-law Number 1262.

Counsel:

Melville Grant, LL.B.,	for the Applicant,
Graham Joy,	for the Respondents,
H. M. Smith,	for W. G. Scoon.

BOARD'S DECISION

The above application was heard by the Board on Monday, February 6th, at the Board's Chambers in the Parliament Buildings.

The reasons for the application are fully set forth in the By-law, a copy of which is hereto attached. It was given in evidence that the owner of the property in question proposed to build an apartment building and place the entrance to a basement garage at the southerly end of the building, and that he had entered into an agreement with the Village to place the entrance of the driveway to the said garage immediately on the east of the building leading from Eglington Avenue, and further to provide a screen of shrubbery, etc., at the rear between the garage entrance and Old Forest Hill Road.

The objections voiced were to the effect that the proposed use of the entrance, and extension of the unrestricted area south of Eglington Avenue a further distance of ten feet, and a further extension of 30 feet south for the use of a drive-way, would be detrimental to the value of their properties.

The Board feels that in view of the fact that on a previous application by the Municipality to amend a By-law as affecting Old Forest Hill Road, practically the same objections were voiced and considered by the Board, and recognized to some degree in that the Board would not consent to the amendment unless the owner of the lands affected changed his building plan so that there would not be a driveway entrance leading from Old Forest Hill Road.

In view of this fact and in view of the fact that no building restrictions apply to an area 100 feet south of the Eglington Avenue street line, and in view of the evidence which was given to the effect that the Municipal Council of the municipality have carefully considered the questions relating to this By-law on this application, the Board is unable to find any justification for refusing to approve the same.

Formal Order will issue upon request of the applicant, and upon payment of the Board's tariff of fees for law stamps in the sum of $10.00.

DATED at Toronto this 7th day of February, A.D. 1939.

(sgd.) R. S. COLTER,
Chairman.

(sgd.) D. S. CHARLTON,
Vice-Chairman

(sgd.) W. P. NEAR,
Commissioner.

ORDERS OF THE BOARD

ORDERS ISSUED BY THE BOARD UNDER SECTION 70 OF "THE ONTARIO MUNICIPAL BOARD ACT" (R.S.O. 1937, CHAPTER 60); APPROVING OF THE UNDERTAKING OF CAPITAL EXPENDITURES:

Applications also approved under the following legislation:

(a) Approval of undertaking of work—Sec. 8 of "The Local Improvement Act";

(b) Approval of further debt and levies—Sec. 315 (2) of "The Municipal Act";

(c) Approval of Floating Indebtedness—Sec. 59 (d) of "The Municipal Act";

(d) Retirement of unmatured debentures—Sec. 59 (dd) of "The Municipal Act";

(e) Change of rate of interest on debentures—Interest Decrease—Section 310 of "The Municipal Act";

(f) Interest Increase; Section 310 of "The Municipal Act";

(g) Extension of time to pass debenture By-laws—Sec. 297 (5) of "The Municipal Act";

(h) Extension of Debenture Issue Period—Sec. 305 (11) and (12) of "The Municipal Act";

(i) Approval of By-laws—Sec. 407 (2) of "The Municipal Act";

(j) Amendment of Board's Orders—Sec. 49 of "The Ontario Municipal Board Act";

(k) Validation of Debenture By-laws—Part IV of "The Ontario Municipal Board Act";

(l) Abandonment of portion of Local Improvement Works—Sec. 18 of "The Local Improvement Act";

(m) Apportionment of cost of Local Improvement Works—Section 27 (3) of "The Local Improvement Act";

(n) Approval of By-law for opening of Lane—Section 29 (3) of "The Local Improvement Act";

(o) Approval of Bridge construction By-law—Sec. 307 (3) of "The Municipal Act";

(p) Application to dispense with vote of electors—Sec. 69 of "The Ontario Municipal Board Act";

(q) Works under "The Unemployment Relief Act";

(r) Works order by the Dominion Railway Board—Sec. 307 (3) of "The Municipal Act";

(s) Approval of the laying out of a highway at a less width than 66'—Sec. 490 (2) of "The Municipal Act";

(t) Approval of Municipal By-laws—Sec. 59 (c) of "The Ontario Municipal Board Act";

(u) Approval under Special Legislation;

(v) Investment of Sinking Funds—Sec. 326 of "The Municipal Act".

Additional Legislation	Municipality	Purpose	Amount	Procedure File
	Alberton, Township of	Purchase of Diesel Motor Patrol Grader.	$ 4,140.00	A-8385
	Aldborough, Township of	Repair of "Roach" Drain.	731.50	A-9035
	Aldborough, Township of	Repair etc., of "Green" Drain.	1,134.00	A-9098
(a)	Alvinston, Village of	Construction of certain sidewalks.	1,530.00	A-8698
(a)	Anderdon, Township of	Construction of Tile Drain (Registered Plan No. 943).	839.60	A-7999
(b)(c)	Almonte, Town of	Floating Indebtedness.	9,000.00	A-8941
(c)	Amherstburg, Town of	Floating Indebtedness.	17,689.51	A-9026
(d)	Arnprior, Town of	Retirement of unmatured debentures.	53,700.00	A-9163
	Aurora, Town of	Improvements to High School.	1,600.00	A-9066
(b)(i)	Aylmer, Town of	Deep well water supply and pipe line.	12,000.00	A-9024
	Barrie, Town of	Pavement on William and Maple Streets. Local Improvement (Petition).	$ 1,200.00	A-8859
	Barrie, Town of	Pavements—Local Improvement (on Petition).	6,000.00	A-8707
(k)	Barrie, Town of	Sewer and Sewage Disposal Works.	80,000.00	A-8993
	Barton, Township of	Sewer Main—Weir Street, Bartonville.	6,966.00	A-8515
	Bayham, Township of	Construction of "Chalk" Drain.	1,710.00	A-8986
	Belle River, Village of	Storm Sewer—Broadway Street.	2,425.55	A-8590
	Belleville, City of	Sidewalk on MacDonald Ave.—Local. Improvement (on Petition).	190.80	A-8392
	Belleville, City of	Isolation Unit in Belleville General Hospital.	20,000.00	A-8611
	Blenheim, Town of	High School addition.	10,500.00	A-7076
	Blenheim, Town of	Repairs, etc., to Public School Building.	4,000.00	A-8439
	Blenheim, Town of	Repair etc., of "Stevens" Drain.	4,200.00	A-8884
(j)	Blenheim, Town of	Additional expenditure for repair etc., of "Stevens" Drain.	1,500.00	A-8884
	Blenheim, Township of	Purchase of Fire Engine and appliances for police Village of Plattsville.	2,450.00	A-8511
(d)(k)	Bowmanville, Town of	Issue of debentures to retire certain unmatured debentures.	15,000.00	A-9103
(b)	Brantford, City of	Sanitary sewer on Harriett Street.	908.20	A-6530
(a)(b)(j)	Brantford, City of	Amount over and above that allowed by the Board's Order of September 15th, 1937.	3,130.72	A-6949
(a)(b)(j)	Brantford, City of	Amount over and above that allowed by the Board's Order of September 29th, 1937.	704.09	A-7008
(b)	Brantford, City of	Local Improvement Works (on Petition) in accordance with its By-law 2705.	2,555.70	A-8146
(a)	Brantford, City of	Pavement—Market Lane and storm sewer on said lane.	2,092.00	A-8898

	Brantford, City of	Sanitary sewer on Margaretta Street. Local Improvement (on Petition).	459.00	A-8899
	Brantford, City of	Sidewalks on Lyons Avenue and Abigail Avenue. Local Improvements (on Petition).	358.95	A-8900
(d)(j)(k)	Brighton, Village of	Issue of debentures to retire certain unmatured debentures.	12,863.68	A-9061
	Brockville, Town of	Purchase of stone crusher.	4,400.00	A-8257
	Brockville, Town of	Pavement on King St.—Local Improvement (on Petition).	30,300.00	A-8466
	Brockville, Town of	Sidewalks, Abbott St., Emma St., and Bennett St.—Local Improvements (on Petition).	1,171.00	A-8578
(a)	Brockville, Town of	Sewer on Delhi Street.	406.95	A-8579
	Brockville, Town of	Sidewalks, Union Street and Brock Street. Local Improvements (on Petition).	580.00	A-8928-a
	Brockville, Town of	Sewer on Richard St.—Local Improvement (on Petition).	347.50	A-8928-b
	Brockville, Town of	Purchase of motor truck for snow ploughing.	3,975.00	A-8982
	Brooke, Township of	Repair etc., of "Wallis" Drain.	283.40	A-8557-a
	Brooke, Township of	Repair etc. of "Holbrook" Drain.	529.00	A-8557-b
	Brooke, Township of	Repair etc., of "McEachern" Drain.	2,357.00	A-8557-c
	Brooke, Township of	Repair etc., of "McKellar-Werdon" Drain.	599.60	A-8557-d
(i)	Burlington, Town of	Construction of 20" water intake into Lake Ontario.	42,000.00	A-8833
	Camden, Township of	Repair of the outlet of "Robinson-Pike Creek" Drain.	392.40	A-9037
	Camden, Township of	Repair etc., of "Hood" Drain.	564.43	A-7112-b
	Camden, Township of	Improvement of "Kaufman Award" Drain.	210.00	A-8526
	Camden, Township of	Repair etc., of "Robinson-Pike Creek" Drain.	746.00	A-8787
	Camden, Township of	Repair etc., of "Hawkins-Mason" Drain.	968.00	A-8845
	Caradoc, Township of	Repair of "Cadman" Drain.	370.00	A-9089-a
	Caradoc, Township of	Repair of "Pettit" Drain.	455.00	A-9089-b
	Carleton, County of	Construction of suburban roads in the year 1939.	20,250.00	A-8237
	Carleton, County of	Construction of County Roads other than Suburban Roads for the year 1939.	20,000.00	A-8237-a
	Chatham, City of	Sidewalk—Raleigh St.—Local Improvement (on Petition).	357.50	A-8294-a
	Chatham, City of	Sewer—Prince Arthur Avenue.	194.00	A-8294-b
(a)	Chatham, City of	Local Improvements Works (numbered 6-12 inclusive)—Notice of Intention Feb. 22nd, 1939.	2,209.00	A-8373
(a)	Chatham, City of	Local Improvement Works (numbered 3 and 4)—Notice of Intention Feb. 22nd, 1939.	2,598.00	A-8373

(a)	Chatham, City of	Resurfacing Richmond Street.	5,714.08	A-8398
(k)	Chatham, City of	Erecting and equipping Collegiate Institute.	250,000.00	A-8476
(a)	Chatham, City of	Sanitary sewers—Prince Arthur Avenue.	1,717.50	A-8530
(a)	Chatham, City of	Pavement—Prince Arthur Avenue.	4,686.00	A-8530
(a)	Chatham, City of	Sidewalks—Lacroix Extension, Queen St.-Gladstone Ave., and Sewer Spencer Ave.	2,161.00	A-8537-a-e
	Chatham, City of	Widening of Forsythe Street—Local. Improvement (on Petition).	1,813.00	A-8594
	Chatham, City of	Loan to Kent Arena Ltd., to provide part cost of construction of Sports Arena (also under Sec. 1 of "The City of Chatham Act".	50,000.00	A-8696
	Chatham, City of	Sidewalk, Arnold St. Watermain Arnold St. Sewer, Arnold St., and Sidewalk, Buckingham Ave. (Local Improvements (on Petition).	1,362.20	A-8668-a-d
	Chatham, City of	Watermain on Gladstone Ave., and Sewers on Gladstone Ave., and Alexandra Ave. — Local Improvements (on Petition).	1,855.00	A-8768-a-c
	Chatham, City of	Sewer—Park Avenue East.	250.00	A-8805
	Chatham, City of	Construction of Water Line on Ninth St.	180.00	A-8963-a
	Chatham, City of	Construction of sewer on Ninth Street.	225.00	A-8963-b
	Chatham, City of	Construction of sewer on Spencer Avenue.	650.00	A-9005
	Chatham, City of	Construction of watermain on Stephenson Avenue.	1,200.00	A-9047
	Chatham, Township of	Repair etc., of "Fisher" Drain.	840.00	A-8397-a
	Chatham, Township of	Repair etc., of "James" Drain.	1,065.00	A-8397-b
	Chatham, Township of	Repair etc., of "Bennett" Drain.	525.00	A-8397-c
	Chatham, Township of	Repair etc., of "Leonard" Drain.	1,950.00	A-8397-d
	Chatham, Township of	Repair etc., of "4th Concession East" Drain.	610.00	A-8397-e
	Chatham, Township of	Repair etc., of "Boyle" Drain.	1,724.00	A-8397-f
	Chatham, Township of	Repair etc., of "Third Concession". Drain in the Skinner Drainage Works.	310.00	A-8397-g
	Chatham, Township of	Repair etc., of "18th Concession" Drain.	3,132.00	A-8397-h
	Chatham, Township of	Repair etc., of "Kirby" Drain and Branch.	690.28	A-8397-i
	Chatham, Township of	Repair etc., of "Maxwell Creek East" Drain.	3,400.00	A-8397-j
	Chatham, Township of	Sidewalks—Dell St., Dufferin Ave. and First Ave. (Local Improvements on Petition).	1,753.80	A-8545-a-e
	Chatham, Township of	Construction of "Garnet Street" Drain.	210.00	A-8996-a
	Chatham, Township of	Repair or improvement of "15th Concession East" Drain.	850.00	A-8996-b

	Chatham, Township of	Repair of the North Branch of the "Pike Creek" Drain.	438.20	A-8996-c
	Chatham, Township of	Improvement of the "Prince Albert" Drain.	533.00	A-8996-d
	Chatham, Township of	Construction of the "McKinley" Drain.	425.00	A-8996-e
	Chatham, Township of	Repair or improvement of the "Fenton" Drain.	1,015.00	A-8996-f
(k)	Chesley, Town of	Addition to present school building.	45,000.00	A-7692
(g)(k)	Cobourg, Town of	Extension to Collegiate Institute.	50,120.00	A-7609
	Colchester, Tp. of	Repair etc., of "North Rear Road" Drain.	1,545.31	A-8830
	Colchester North, Tp. of	Repair etc., of "Pinkerton" Drain.	1,931.90	A-8663
	Colchester, South, Tp. of	Repair etc., of outlet of the "William Cornwall" Drain.	916.60	A-8422
	Colchester, South, Tp. of	Repair of the "Deslippe" Drain.	862.00	A-8910
	Colchester, South, Tp. of	Repair of the "Agla-Ford" Drain.	384.00	A-9015
	Colchester, South, Tp. of	Repair of the "West Townline" Drain.	909.00	A-9063
	Colchester, South, Tp. of	Construction of "Morin" Drain.	680.00	A-9068
	Cornwall, Town of	Sewer on Ridley Avenue—Local Improvement.	655.00	A-8151
	Cornwall, Town of	Improvements, etc., to certain watermains.	13,431.00	A-8240
(i)(k)	Cornwall, Town of	Extensions and improvements to Water Works System.	25,000.00	A-8571
	Cornwall, Town of	Concrete pavements on York and Pitt Streets—Local Improvements (on Petition).	19,610.00	A-8682
	Cornwall, Town of	Sidewalks on Bedford St., Timothy Ave., Eighth St., Second St. and Ridley Ave. Local Improvements (on Petition).	1,749.05	A-8799
	Cornwall, Township of	Sewer on Brookdale Ave. as a local Improvement (on Petition).	665.00	A-8589
	Cornwall, Township of	Sidewalks on Belmont St., Walton St. and Baldwin Ave.—Local Improvements (on Petition).	2,803.00	A-8847-a
	Dereham, Township of	Reconstruction of "Sponenburg Award" Drain.	707.85	A-8968-a
	Dereham, Township of	Repair of "Ostrander" Drain.	694.00	A-8968-b
	Dereham, Township of	Improvement of "Hall's Creek" Drain.	4,356.40	A-8968-c
	Dover, Township of	Repair etc., of "Marden" Drain.	335.00	A-8277
	Dover, Township of	Repair, etc., of "Thames River Embankment".	2,875.00	A-8325
	Dover, Township of	Repair, etc., of Whitehead Drainage Works.	4,500.00	A-8872-a
	Dover, Township of	Repair etc., of Dolsen Creek Mechanical Drainage Works.	1,625.00	A-8872-b
	Dover, Township of	Repair etc., of "Hyatt" and "Fryer" Outlet Drain and Branch.	1,160.00	A-9000-a
	Dover, Township of	Improvement of "Myers" Drain.	525.00	A-9000-b
	Dover, Township of	Repair of "Lucier" Drain.	425.00	A-9092

	Dunwich, Township of	Construction of "Cameron" Drain.	235.00	A-8596
	Dunwich, Township of	Construction of "Paton-McPhedrain" Drain.	313.00	A-8619
(b)(i)	Dysart, Township of	Extension of electric light and power lines.	6,000.00	A-8248
	East Hawkesbury, Tp. of	Fire engine and other accessories for Police Village of St. Eugene.	2,000.00	A-8935
	East Oxford, Township of	Watermain on Highway No. 2 and on Stafford Street.	1,425.20	A-8919
	East Wawanosh, Tp. of	Tile Drains.	5,000.00	A-8216
	Ekfrid, Township of	Improvement of "Eddie" Drain.	1,096.00	A-8214
	Ellice, Township of	Repair etc., of "Ellice Maitland Relief" Drain.	4,235.50	A-8743
	Elma, Township of	Repair etc., of "Galbraith" Drain.	1,239.00	A-8315
	Elma, Township of	Repair etc., of the "Greig" Drain.	3,228.50	A-8746
	Elma, Township of	Repair etc., of "Boyle" Drain and branches.	16,767.70	A-8832
	Elma, Township of	Construction of "Edgar" Drain.	576.00	A-8934
(b)(k)	Elora, Village of	Addition to High School.	12,000.00	A-7623
	Erin, Township of	Reconstructions etc., to telephone system (Erin Municipal Telephone System).	3,000.00	A-8896
	Etobicoke, Township of	Watermain on Goswell Rd.—Local Improvement.	970.00	A-8219
(c)(k)	Etobicoke, Township of	Floating Indebtedness — Toronto Transportation Commission Account.	41,000.00	A-8303
(a)	Etobicoke, Township of	Sanitary Sewers, Forcemain and Pumphouse and Overflow. Marquis Ave. etc.—Local Improvement.	37,000.00	A-8305
	Etobicoke, Township of	Watermain on Dunedin Drive.	1,350.00	A-8556
(a)	Etobicoke,	Local Improvement Works—Sewer on Lynngrove Avenue and watermain.	860.00	A-8996-a-b
	Euphemia, Township of	Repair etc., of "Evans" Drain.	407.00	A-8217
	Euphemia, Township of	Repair etc., of "Shepherd" Drain.	348.00	A-8840-a
	Euphemia, Township of	Repair etc., of "Porter" Drain.	315.00	A-8840-b
(k)	Fonthill, Village of	Acquisition of land and erection of Firehall and purchase and installation of Fire engines, apparatus and appliances.	6,000.00	A-8473
(b)(j)	Forest Hill, Village of	Further capital expenditure to that allowed by Board's order of March 24th. 1938.	282.46	A-7182-b
(a)(b)(j)(o)	Forest Hill, Village of	Further capital expenditure to that allowed by Board's order of April 19th. 1938.	338.44	A-7408
(b)(j)(n)	Forest Hill, Village of	Additional amount to that allowed by Board's Order dated Nov. 14th, 1938.	447.15	A-9016

(b)	Forest Hill, Village of	Construction of ornamental lighting on north side of Eglington Avenue—Local Improvement (on Petition).	4,170.00	A-8244
(b)	Forest Hill, Village of	Construction of Parkettes—Bathurst St.—Local Improvement (on Petition).	900.00	A-8487
(a)(b)	Forest Hill, Village of	Service watermain—Bathurst St. and Watermain—Riddelle Avenue.	4,253.00	A-8684
(b)(i)	Forest Hill, Village of	Enlargement of electrical Transformer and Distributing Stations.	39,470.00	A-8828
(b)	Forest Hill, Village of	Sidewalk on Eglington Ave. (south side)—Local Improvement (on Petition).	400.00	A-8839
(b)	Forest Hill, Village of	Ornamental street lighting on Whitmore Avenue.	3,692.50	A-9041
(i)(k)	Fort William, City of	Extensions to Waterworks System.	11,930.52	A-8241
	Fort William, City of	Watermains on Third Ave., Fifth St., McLoughlin St. and Crawford Avenue.	4,421.83	A-8271
	Fort William, City of	Private sewer connections.	2,953.44	A-8341-a
	Fort William, City of	Installing sanitary sinks and closets in connection with private sewer connections.	861.28	A-8341-b
	Fort William, City of	Sidewalk on Wiley Street—Local Improvement (on Petition).	2,077.00	A-8495
	Fort William, City of	Local Improvements (on Petition), Concrete sidewalks, Plank sidewalks, Concrete Curb, Boulevard.	11,724.00	A-8495-a-e
(a)	Fort William, City of	Local Improvements—Sewers, Concrete Sidewalks, Paving and Plank Walks.	33,181.00	A-8558
(a)	Fort William, City of	Sewers on Tarbutt Street and Mary Street.	13,689.00	A-8620
	Fort William, City of	Concrete sidewalks—John and Simpson Sts.—Local Improvements (on Petition).	4,924.00	A-8635
	Fort William, City of	Watermain on Donald Street.	590.40	A-8645
	Fort William, City of	Watermain on Vickers Street.	3,722.00	A-8646
	Fort William, City of	Concrete sidewalks on Cumming and Brodie Streets. Local Improvements (on Petition).	2,935.00	A-8686
	Fort William, City of	Concrete sidewalk on McKenzie Street—Local Improvements (on Petition).	441.00	A-8710
	Fort William, City of	Concrete sidewalks, concrete curbs, and boulevard—Local Improvement (on Petition).	6,226.00	A-8767-a-b-c
	Fort William, City of	Plank Sidewalk on Walsh St. and Concrete sidewalk on Wiley St. Local Improvements (on Petition).	2,199.00	A-8855-a-b
	Fort William, City of	Sewer on Mary St. (Local Improvement on Petition).	2,765.00	A-8949-a

(a)	Galt, City of	Sanitary sewers on James St. and Berkley Rd.	1,462.40	A-8165
	Galt, City of	Concrete sidewalk on Chalmers St.—Local Improvement (on Petition).	489.30	A-8817
	Galt, City of	Concrete sidewalk on Myrtle Ave.—Local Improvement (on Petition).	235.00	A-8925
(a)	Georgetown, Town of	Pavements on Edith, Market, George, McNab and Albert Streets.	8,647.00	A-8695-a
(j)(k)	Georgetown, Town of	Further capital expenditure—pavements, Edith St. etc.	424.72	A-8695-a
(p)	Georgetown, Town of	Improving and re-surfacing of Main St., and re-surfacing of Mill St.	7,062.00	A-8695-b
(j)(k)	Georgetown, Town of	Further Capital expenditure—resurfacing etc., Main and Mill Streets.	649.87	A-8695-b
	Georgetown, Town of	Improved surfacing of Maple Ave.	2,722.38	A-8902
	Georgetown, Town of	Further capital expenditure.	339.76	A-8902-c
(b)	Gloucester, Township of	Sewer and Watermain along Glin Ave. in Police Village of Overbrook and Storm Sewer in Subdivisions of Smith's Crossing and Gateville in Billings Bridge along Elm Ave., etc. (Local Improvements on Petition).	5,396.90	A-8221-a-b
(j)	Gloucester, Township of	Additional cost of certain Local Improvements (over amount allowed by Board's Order of March 9th, 1939).	2,770.00	A-8221-a-b
	Gloucester, Township of	Maintenance and Repair of "Smith-Gooding" Drain.	3,329.64	A-8670
(d)	Gloucester, Township of	Issue of debentures to retire certain unmatured debentures.	8,000.00	A-8874
	Gloucester, Township of	Improvement of outlet of the "Hurdman Award" Ditch.	3,717.75	A-8972-a
	Gloucester, Township of	Watermain on King George St. (Local Improvement on Petition).	2,184.40	A-8972-b
	Gloucester, Township of	Sewer on King George St. (Local Improvement on Petition).	1,181.00	A-8972-c
(j)(k)	Goderich, Town of	Further capital expenditure for Collegiate Institute purposes over and above that allowed by Board's Order of June 2nd, 1938.	1,660.00	A-7417
(c)(k)	Gosfield North, Tp. of	Floating Indebtedness.	120,000.00	A-8564
	Gosfield North, Tp. of	Repair of "Irwin" and "11th Concession Branch" Drains.	3,044.58	A-8679
(c)(k)	Gosfield South, Tp. of	Floating Indebtedness.	165,000.00	A-8565
(b)	Grantham, Township of	Watermain on road allowance between Lots 22 and 23 in 4th Concession of said Township.	650.00	A-8618
(a)(b)	Grantham, Township of	Watermain on David Street.	450.00	A-8793

(k)	Guelph, City of	Payment for the transfer of Guelph Radial Ry. from Hydro-Electric Power Commission of Ontario to the said Corporation.	210,000.00	A-8492
(p)	Guelph, City of	Pavement of roadway where the tracks of Radial Ry. are being removed.	25,000.00	A-8492-a
	Hagersville, Village of	Addition to High School.	9,000.00	A-8288
(k)	Halton, County of	Construction and Improvement of highways forming part of County Road System.	14,000.00	A-8981
	Hamilton, City of	Sewer on Dalewood Ave. and Main St.—Local Improvement (on Petition).	5,807.00	A-8346
	Hamilton, City of	Watermain on Main Street.	1,020.00	A-8347
	Hamilton, City of	Watermain on Dalewood Avenue.	2,115.00	A-8348
	Hamilton, City of	Watermain on Westwood Avenue.	2,087.00	A-8349
(q)	Hamilton, City of	Direct Relief—years 1937 and 1938.	596,236.00	A-8350-a-b
	Hamilton, City of	Cement sidewalk and curb on east side Dalewood Ave.—Local Improvement (on Petition).	1,940.54	A-8354-a
	Hamilton, City of	Cement sidewalk and curb on west side Dalewood Avenue —Local Improvement (on Petition).	1,819.13	A-8354-b
	Hamilton, City of	Extensions and additions to George R. Allan School.	55,500.00	A-8355
(p)	Hamilton, City of	Extensions and improvements to General Hospital, Mountain Hospital and Tubercular Chest Clinic.	57,020.00	A-8356
	Hamilton, City of	Asphalt Roadway and drain connections on Kenmore Rd. Local Improvement (on Petition).	10,260.00	A-8467
	Hamilton, City of	Watermain on Haddon Avenue.	3,996.00	A-8629
	Hamilton, City of	Watermain on Kingsway Drive.	2,656.00	A-8630
	Hamilton, City of	Sewer on south side of Main St. and on Haddon Ave.—Local Improvement (on Petition).	6,709.00	A-8641
	Hamilton, City of	Watermain on Fennel Ave.	400.00	A-8691
	Hamilton, City of	Pipe sewer and drain connections on Westwood Ave. Local Improvement (on Petition).	3,190.00	A-8345
	Hamilton, City of	Sewer and drain connections on Kingsway Drive—Local Improvement (on Petition).	3,352.00	A-8752
(c)	Hamilton, City of	Floating Indebtedness (also under Sec. 59 (d) of Board's Act).	646,000.00	A-8769
	Hamilton, City of	Pipe sewer on alleyway south of C.N.R. main line.	2,360.00	A-8794
	Hamilton, City of	Cement Sidewalk and Curb on Haddon Ave. (east side) —Local Improvement (on Petition).	2,915.68	A-8795-a

	Hamilton, City of	Cement Sidewalk and Curb on Haddon Ave. (west side)—Local Improvement (on Petition).	2,727.77	A-8795-b
	Hamilton, City of	Cement Curb on northwest side of Kingsway Drive—Local Improvement (on Petition).	1,222.68	A-8795-c
	Hamilton, City of	Cement Curb on southeast side of Kingsway Drive—Local Improvement (on Petition).	1,311.00	A-8795-d
(r)	Hamilton, City of	Corporation's share of cost of construction of new highway bridge—Dundurn St. (also under Sec. 307, s.s. (3) (f) of Municipal Act).	20,000.00	A-8800
	Hamilton, City of	Asphalt roadway with drain connections on Dalewood Ave. (Local Improvement on Petition).	8,922.00	A-8842
	Hamilton, City of	Watermain on John Street.	2,750.00	A-8843
	Hamilton, City of	Cement sidewalk and curb—Kenilworth Ave.—Local Improvement (on Petition).	840.00	A-8936
(j)	Hamilton, City of	Pipe sewer on Caroline St. and Wesanford Place—Local Improvement (on Petition).	2,540.00	A-8937
	Hamilton, City of	Sewer with all necessary drain connections on Tope Crescent (Local Improvement on Petition).	5,594.00	A-8938
	Hamilton, City of	Grading roadway with all necessary drain connections on Houghton Ave. (Local Improvement on Petition).	1,417.00	A-8947-a
	Hamilton, City of	Sidewalk and curb on Houghton Ave. west side, (Local Improvement on Petition).	2,647.45	A-8947-b
	Hamilton, City of	Sewer on Houghton Ave. (Local Improvement on Petition).	4,115.00	A-8947-c
	Hamilton, City of	Watermain on Houghton Ave. (Local Improvement on Petition).	2,955.00	A-8947-d
	Hamilton, City of	Cement walk and curb—Wesanford Place (north side)—Local Improvement (on Petition).	1,109.03	A-8980-a
	Hamilton, City of	Cement Walk and curb—Wesanford Place (south side)—Local Improvement (on Petition).	1,109.03	A-8980-b
	Hamilton, City of	3" penetration surface roadway and drain connections on Wesanford Place—Local Improvement (on Petition).	1,886.00	A-8980-c
	Hamilton, City of	Watermain on Wesanford Place (Local Improvement on Petition).	1,010.00	A-9017
	Hamilton, City of	Penetration macadam roadway with necessary drain connections on Kingsway Drive (Local Improvement on Petition).	5,197.00	A-9050
	Hamilton, City of	Pipe Sewer Hunter St. (Local Improvement on Petition).	1,543.00	A-9053
(q)	Hamilton, City of	Direct Relief for 1939.	336,500.00	A-9126

(i)	Hamilton, City of	Waterworks extensions (addition to side for filtration plant).	17,500.00	A-9135
	Hamilton, City of	Watermain on Tope Crescent.	1,729.00	A-9142
(k)	Harrow, Town of	Town Hall.	30,000.00	A-7542
	Harwich, Township of	Repair of Third Concession Drain.	4,053.00	A-8376
	Harwich, Township of	Repair etc., of "Scott" Drain.	3,323.00	A-8685-a
	Harwich, Township of	Improvement of "Neve" Drain.	891.00	A-8685-b
	Harwich, Township of	Repair of "Cameron" Drain.	512.00	A-8885-a
	Harwich, Township of	Repair of "Brookbanks" Drain.	697.00	A-8885-b
	Harwich, Township of	Repair of "Brown" Drain and branch.	421.90	A-8885-c
	Harwich, Township of	Repair of "Jackson" and "Nash" Drain.	1,372.80	A-8885-d
	Harwich, Township of	Repair of "Nichol Award" Drain.	1,073.50	A-8956-a
	Harwich, Township of	Repair &c. of "Willow" Creek Drain	1,806.00	A-8956-b
	Howard, Township of	Improvement of "Harrison" Drain Extension	685.29	A-9634
	Howard, Township of	Repair &c. of "McGregor-Watterworth" Drain	341.27	A-8365
	Howard, Township of	Repair of "Gawne" Drain	618.41	A-9104
	Howick, Township of	Installing heating system and other repairs to School House	4,000.00	A-8588
	Howick, Township of	Construction of "Wade" Drain	608.00	A-8753
	Innisfil, Township of	Building of new School in S.S. No. 7	3,000.00	A-8738
	Kapuskasing, Town of	Addition to Public School Building	20,000.00	A-8534
(a)	Kingston, City of	Tile Sewer in Scott St.	186.80	A-8820
	Kingston, City of	Concrete Walks—Napier and Scott Sts. — Local Improvements (on Petition)	487.44	A-8960-a-b
(c)	Kingston, City of	Floating Indebtedness	30,130.86	A-8997
(a)(s)	Kitchener, City of	Widening of Stewart Street	2,300.00	A-8323
	Kitchener, City of	Concrete walks, sanitary sewers, water main and pavement and curb on Cameron Street	8,361.37	A-8494
	Kitchener, City of	Grading, gravelling and oiling on Stewart Street—Local Improvements (on Petition)	808.00	A-8481
	Kitchener, City of	Curb and gutter on Short Street and Sanitary Sewer on Dunham Street	1,817.56	A-8502-a-b
	Kitchener, City of	Gravel roadway on Guelph Street and 5' concrete walk on Spadina Road. Local Improvement (on Petition)	839.20	A-8559
	Kitchener, City of	Sanitary Sewer on Stewart Street	1,200.00	A-8642

	Kitchener, City of	Concrete Walk on Short Street—Local Improvement (on Petition)	341.00	A-8669
(i)(k)	Kitchener, City of	Installation of sludge removel equipment	11,000.00	A-8730
(k)	Kitchener, City of	Corporation's proportion (37% of the cost of a new Registry Office for County of Waterloo	22,500.00	A-8731
(k)	Kitchener, City of	Enlargement of High School	9,500.00	A-8732
	Kitchener, City of	Pavement and 5' Concrete Walk on Cameron Street	2,080.80	A-8808-b
	Kitchener, City of	Sanitary Sewer on Lydia Street—Local Improvement (on Petition)	1,116.00	A-8952
	Lanark, County of	Construction of County Roads in 1939	17,500.00	A-8334
	Larder Lake, Town of	Construction of Water System	18,000.00	A-8279
(a)	Leaside, Town of	Sewer on Laird Drive	1,150.00	A-8202
	Leaside, Town of	Additional capital expenditure to that allowed by Board's Order of Sept. 20th, 1937, for construction of sewers, watermains and grading—Local Improvements—(on Petition)	18,821.81	A-8253
(c)(k)	Leaside, Town of	Public School purposes	25,000.00	A-8254
(k)	Leaside, Town of	Erection of School (Rolph Rd.)	86,000.00	A-8477
(a)	Leaside, Town of	Sewers on Sutherland Drive	2,970.80	A-8478-a
(a)	Leaside, Town of	Watermains on Sutherland Drive	3,345.00	A-8478-b
(a)	Leaside, Town of	Pavements on Bessborough Drive, Sutherland Drive, Airdrier Road, Hanna Road, Rolland Road, Clowes Avenue and Heather Road	89,350.00	A-8478-c
(a)	Leaside, Town of	Sidewalks on Rumsey Road, Sutherland Drive, Airdrie Road, Clowes Avenue, Bayview Avenue, Millwood Road, MacNaughton Road and Parkhurst Boulevard	12,164.00	A-8478-d
(a)	Leaside, Town of	Sewers and Watermains	63,330.48	A-8379-a-b
	Leaside, Town of	Grading certain streets and pavement on Rolph Road—Local Improvements (on Petition)	11,100.00	A-8735-a-b
	Leaside, Town of	Pavements—Local Improvements—(on Petition)	15,775.00	A-8785-a-b
	Leaside, Town of	Sewers on Eglington Ave. and Vanderhoof Ave. with meters &c. and connections with North Toronto sewers (Local Improvements on Petition)	4,480.00	A-9014
(c)	Listowel, Town of	Addition to Memorial Hospital and renovating the present building	15,000.00	A-8246
(k)	Lochiel, Township of	Maintaining, improving and extending "McRae" Drain	4,250.00	A-8472

	Logan, Township of	Repair and improvement of "Ritz" Extension and "Horn" Drains and Construction of "Waters" and "Bannerman" Drains	5,985.00	A-8597
	Logan, Township of	Improvement of "Mogk" Drain	612.00	A-8977-a
	Logan, Township of	Improvement of "Hinz Award" Drain	670.00	A-8977-b
	Logan, Township of	Repair of "Boyle" Drain and the South Maitland River Improvement initiated by Tp. of Elma (proportion to be paid by applicant)	386.30	A-9083
	London, City of	Cement curb and gutter on West Eva Street—Local Improvement (on Petition)	475.38	A-8433
	London, City of	Cement curb and gutters on West Maitland and College Streets and cement walk on West Maitland Street	1,007.03	A-8585-a-b-c
	London, City of	Ornamental lighting on Woodland Place—Local Improvemnet (on Petition)	96.80	A-8680
	London, City of	Cement walk on east side of St. George Street	253.20	A-8717
	London, City of	Curb and gutter on Terrace Street	1,446.97	A-8779
	London, City of	Cement curb and gutter on Edith Street—Local Improvement (on Petition)	848.60	A-8856
	London, City of	Curb and gutter on N. Victoria Street—Local Improvement (on Petition)	1,023.36	A-8924
(c)	London, City of	New wing to Victoria Hospital	200,000.00	A-8953
	London, City of	Sewer on Balmoral St. (Local Improvement on Petition)	811.62	A-9039
	London, City of	Cement walk on East Balmoral Street	67.76	A-9058
	London, Township of	Watermain on Parkdale Cres. (Local Improvement on Petition)	1,227.72	A-9069
	L'Orignal, Village of	Installing heating and electric light system in School building	2,500.00	A-8694-a
(c)(k)	L'Orignal, Village of	Floating indebtedness	12,000.00	A-8694-b
(k)	Louth, Township of	One-room addition of School House (S.S. No. 2)	8,000.00	A-8314
	Maidstone, Township of	Repair of "Standish" Drain	6,320.55	A-8406
	Maidstone, Township of	Repair of "Third Concession" Drain	1,883.00	A-8582
(k)	Maidstone, Township of	Repair of "4th Concession" Drain	9,011.70	A-8713
	Maidstone, Township of	Repair of "Talbot Road South" Drain	1,292.25	A-8819
	Maidstone, Township of	Repair of "Middle Road" Drain	13,051.91	A-8891
	Malahide, Township of	Extension and improvement of "G. A. Summers' Extension" Drain	294.00	A-8361
	Malahide, Township of	Construction of the "Learn" Drain Branch	1,158.00	A-8897

	Malahide, Township of	Repair of “Summers” Drain	582.00	A-9085
	Medora and Wood United Townships of	Purchase of site and erection of School P.S.S. No. 2 (Glen Orchard)	5,000.00	A-8961
(i)	Melancthon, Township of	Approval of further capital expenditure (to that allowed by Board's Order of Sept. 12th, 1938) Improvement of “Bradley” Drain	155.00	A-7867
	Mersea, Township of	Repairing and improving “McCracken” Drain	1,389.00	A-8304
	Mersea, Township of	Construction of “Zaburney” Drain	815.00	A-8427
	Mersea, Township of	Construction of Groynes or Jetties in front of Lots 4-19—Local Improvement (on Petition)	850.00	A-8428
	Mersea, Township of	Repair of “Collison” Drain	1,109.00	A-8461-a
	Mersea, Township of	Repair and improvement of “South Branch” of “Lobo Creek” Drain	825.00	A-8461-b
	Mersea, Township of	Repair of “Hooker” Drain	1,820.00	A-8595
	Mersea, Township of	Repair and improvement of “William James” Drain	1,917.00	A-8722
	Mersea, Township of	Repair of “B. & C.” Concession Drain	321.92	A-8831
	Mersea, Township of	Repairing and improving the “Wigfield” Drain	476.00	A-8892-a
	Mersea, Township of	Repairing and improving of “Lundy” Drain	1,424.00	A-8892-b
	Mersea, Township of	Repair and improvement of “South Dales” Drain	2,385.00	A-8987
	Metcalfe, Township of	Repair and improvement of “Freer” Drain	358.50	A-8452
	Metcalfe, Township of	Repair of “Moor” Drain	1,601.50	A-8864
	Middleton, Township of	Repair of “J. A. Garnhem” Drain	3,265.05	A-8727
(d)(k)	Millbrook, Village of	Issue of debentures to retire certain unmatured debentures	8,720.55	A-9131
	Moore, Township of	Repair of outlet of “Wellington” Drain	445.00	A-8688
	Moore, Township of	Compensation in lieu of drainage work to be paid to owner of Lot 3, Con. 7, for damages caused by the “Shaw” Drain	397.00	A-9112
	Mornington, Township of	Improvement and extension of “Steckley” Drain	4,404.50	A-8756
	Mornington, Township of	Drainage work in Township of Elma	6,556.30	A-8943
(b)	Morrisburg, Village of	Construction of sewer on Augusta Street — Local Improvement (on Petition)	1,524.74	A-8159
	Mosa, Township of	Corporation's share of cost of repair of “Stocking” Drain in Township of Euphemia	388.80	A-8383
	Mountain, Township of	Construction of “Tighe” Drain	2,634.50	A-8973
	McKillop, Township of	Construction of “Dennis” Drain	2,655.00	A-8371-a
	McKillop, Township of	Construction of “Boyd” Drain	2,812.00	A-8371-b
	McKillop, Township of	Construction of “Box” Drain	741.00	A-8462

	McKim, Township of	Watermains, Copper Cliff Rd. etc.—Local Improvements (on Petition)	31,000.00	A-8815
	Napanee, Town of	Permanent Improvements to Collegiate Institute and Vocational School	4,147.00	A-8740
(c)	Napanee, Town of	Floating indebtedness	37,000.00	A-8998
(d)	Napanee, Town of	Issue of debentures to retire certain unmatured debentures	8,594.58	A-8999
(k)	Neelon and Garson, United Townships of	Erection and equipment of School in S.S. No. 3, Garson	18,000.00	A-8784
(k)(w)	Nepean, Township of	Acquiring land and erecting Fire Hall thereon	10,000.00	A-7456
	Newcastle, Village of	Issue of debentures to retire certain unmatured debentures.	7,500.00	A-9060
(d)(i)(k)	Newmarket, Town of	$1000.00 amended by Board's further Order to amount of Permanent Improvements to Electric Light System	9,000.00	A-8765
(c)(k)	New Toronto, Town of	Floating Indebtedness	444,000.00	A-8782
(c)(k)	Niagara Falls, City of	Floating Indebtedness	437,803.63	A-8375
(c)(k)	Norfolk, County of	Floating Indebtedness	170,000.00	A-8506
(b)(c)(k)	North Bay, City of	Floating Indebtedness	150,000.00	A-8697
(k)	North Grimsby	Construction of watermain on Highway No. 8	14,000.00	A-8229
(a)	North Monaghan, Tp. of	Watermain and Sewer on Anne Street	4,310.00	A-8798-a-b
	North Monaghan, Tp. of	Watermain on Charlotte Street—Local Improvement (on Petition)	2,675.00	A-8876-a
	North Monaghan, Tp. of	Sewer on Charlotte Street — Local Improvement (on Petition)	2,108.66	A-8876-b
	North Plantagenet, Tp. of	Improvement of waterworks system in Police Village of Plantagenet	8,000.00	A-8763
(d)(k)	North Plantagenet, Tp. of	Retirement of debentures redeemable before maturity (also under Section 59 (dd) of the Board's Act)	7,000.00	A-8763
	North York, Township of	Watermain on Ridley Blvde.—Local Improvement (on Petition)	1,500.00	A-8245
(c)(k)	North York, Township of	Floating Indebtedness	27,536.60	A-8296-a
(c)(k)	North York, Township of	Floating Indebtedness	44,249.93	A-8296-b
	North York, Township of	Watermain on Park Avenue—Local Improvement (on Petition.	1,850.00	A-8386
	North York, Township of	Watermain on Park Avenue—Local Improvement (on Petition)	1,850.00	A-8387
	North York, Township of	Macadam pavement on Park Avenue—Local Improvement (on Petition)	2,700.00	A-8388

	North York, Township of	Pavement on Park Avenue—Local Improvement (on Petition)	2,700.00	A-8389
	North York, Township of	Storm Sewer on Park Avenue—Local Improvement (on Petition)	750.00	A-8390
	North York, Township of	Storm Sewer on Park Avenue—Local Improvement (on Petition	750.00	A-8391
	North York, Township of	Watermain on Roe Avenue—Local Improvement (on Petition)	1,560.00	A-8503
	North York, Township of	Sanitary Sewer on Roe Ave.—Local Improvement (on Petition)	1,953.49	A-8504
	North York, Township of	Watermain on Avenue Road—Local Improvement (on Petition)	750.00	A-8505
	North York, Township of	Watermain on Park Home Avenue—Local Improvement—(on Petition)	4,396.50	A-8648-a
	North York, Township of	Macadam pavement on Park Home Avenue—Local Improvement (on Petition)	6,200.00	A-8648-b
	North York, Township of	Watermain, Shermount St. Pavements Shermount St. to Beechmount St. and Beechmount St. to Woodmount St., Storm Sewers Shermount St. to Beechmount St. and Beechmount St. to Woodmount St.	7,536.00	A-8649-a-e
	North York, Township of	Watermains—Cawthra Ave. and York Downs Drive	1,800.00	A-8662-a-b
(a)	North York, Township of	Watermain—Dawlish Avenue	2,062.60	A-8665
	North York, Township of	Storm Sewer—Park Avenue—Local Improvement—on Petition.	1,000.00	A-8666
	North York, Township of	Watermain on Wilson Avenue. Local Improvement—on Petition.	1,813.00	A-8667
(c)(k)	North York, Township of	Floating Indebtedness.	120,000.00	A-8724
	North York, Township of	Watermains, Hillmount Avenue	480.00	A-8865-a
		Hillmount Avenue	780.00	A-8865-b
		St. Margaret Street	580.00	A-8866
		Joicey Blvde.	700.00	A-8867
		Local Improvements—(on Petition)		

	North York, Township of	Local Improvements (on Petition):		
		Watermain—Greenfield Avenue	275.00	
		Sidewalk and curb—Cranbrooke Avenue	608.00	
		Pavement—Broadway Avenue	9,005.80	
		Watermain—Dudley Street	700.00	
		Watermain—Spring Garden Avenue	1,564.00	
		Curb—Cranbrooke Avenue	689.52	
		Watermain—Ridge Road	2,594.00	
		Pavement—through ravine east of Grey Road	5,250.00	
		Watermain—Greenfield Avenue	1,064.00	A-8967-1-9
	North York, Township of	Pavement—York Downs Drive	5,163.50	A-8984
	North York, Township of	Additions &c. to plant and equipment of the Hydro Electric Commission	50,000.00	A-9144
	Orford, Township of	Repair of "McCaughrin" Drain	555.00	A-8931
	Orillia, Township of	Watermain on Highway No. 11—Local Improvement—(on Petition	4,938.68	A-8400
	Osgoode, Township of	Construction of "Devereaux Diversion" Drain	6,160.00	A-8672
	Oshawa, City of	Purchase of fire fighting equipment	6,000.00	A-8316
(p)(u)	Ottawa, City of	Trunk sewers	350,000.00	A-6322
	Ottawa, City of	Reconstruction of fire alarm system and construction of central building therefor	225,000.00	A-7652
	Ottawa, City of	Installing and extending watermains, water services and hydrants	53,000.00	A-8223-a
(q)	Ottawa, City of	Direct Relief (also under Sec. 7 of Unemployment Relief Act)	193,000.00	A-8370
	Ottawa, City of	Sewers on Sherwood Drive &c.	25,356.00	A-8407
	Ottawa, City of	Sewer on Mount Pleasant Avenue	1,646.00	A-8418
	Ottawa, City of	Sewer on Kenilworth Ave.—Local Improvement — (on Petition)	1,310.00	A-8419
	Ottawa, City of	Sidewalk on Kenilworth Avenue—Local Improvement (on Petition)	750.00	A-8454
	Ottawa, City of	Watermain on Mount Pleasant Avenue	1,050.00	A-8522
	Ottawa, City of	Watermain on Marlborough Avenue	500.00	A-8603
(a)	Ottawa, City of	Concrete sidewalk on north side of Kenilworth Avenue	1,650.00	A-8621
(a)	Ottawa, City of	Concrete sidewalks on Sherwood Drive, Bayswater Ave. and Orrin Ave.	8,450.00	A-8621
	Ottawa, City of	Watermain on Kenilworth Avenue	680.00	A-8659

	Ottawa, City of	Sidewalk on Kenilworth Street—Local Improvement (on Petition)	750.00	A-8728
	Ottawa, City of	Extension of water service on Edina Street	1,200.00	A-8764
	Ottawa, City of	Sidewalk on Letchworth Rd., sewer on Keefer Street and sidewalk on Warwick Place	3,076.00	A-8796-a-b-c
	Ottawa, City of	Sidewalk on Second Avenue	160.00	A-8806
(a)	Ottawa, City of	Sidewalk on Homewood Avenue	930.00	A-8807
(a)	Ottawa, City of	Sidewalks on Fifth Ave., Cartier St., Musgrove St., Kenilworth Ave. and Mount Pleasant Ave.	6,030.00	A-8844
	Ottawa, City of	Concrete curb on Sherwood Drive—Local Improvement (on Petition)	1,025.00	A-8888
	Ottawa, City of	City's share of cost of suburban road construction	20,250.00	A-9027
	Ottawa, City of	Sewer on west side of Huron Ave. (Local Improvement on Petition)	402.00	A-9028
(v)	Owen Sound, City of	Purchase of Fire apparatus	5,050.00	A-8384
	Owen Sound, City of	Concrete sidewalk on Fifth Ave.—Local Improvement (on Petition.	403.33	A-8442
(a)	Owen Sound, City of	Pavements 3rd Ave. E. and 4th Ave. E. Widening 3rd Ave. E. and curb and gutter 3rd Ave. E.	19,534.14	A-8497-a-f
	Owen Sound, City of	Asphalt pavement on Thirteenth St. W.—Local Improvement (on Petition)	3,107.20	A-8568
	Owen Sound, City of	Storm sewer, curb and gutter and grading and paving 4th Ave West.	25,330.28	A-8681-a-b-c
(p)	Paisley, Village of	Permanent street improvements and rebuilding of Cambridge Street Bridge	3,000.00	A-8873
(b)(k)	Palmerston, Town of	Building of High School	25,000.00	A-8329
(b)(j)	Parry Sound, Town of	Pavement on River Street—Local Improvement (on Petition)—additional expenditure to that allowed by Board's Order of Nov. 2nd. 1937.	1,020.00	A-7074
(a)(b)(j)	Parry Sound, Town of	Further capital expenditure on pavement on Gibson St. (Board's Order of July 25th, 1938)	635.00	A-7589
(a)(b)(j)	Parry Sound, Town of	Further capital expenditure on pavement on Seguin St. (Board's Order of July 25th, 1938)	1,476.00	A-7590
(a)(b)(j)	Parry Sound, Town of	Further capital expenditure on pavement on Waubeek St. (Board's Order of July 25th, 1938)	2,400.00	A-7591

(b)(j)	Parry Sound, Town of	Further capital expenditure on pavement on Waubeek St., Belvedere Ave., Belvedere St. and Gibson St. (Local Improvement on Petition)—(Board's Order of July 25th, 1938)	850.00	A-7648
(b)(i)	Parry Sound, Town of	Repairing of Municipal Electric Plant	42,000.00	A-8501
(a)	Peterborough, City of	Concrete curbings—King St., Chamberlain St., McDonnel St. and London St.	10,945.01	A-8748
(p)	Petrolia, Town of	Additional expenditure to that allowed by Board's Order dated May 25th, 1938.	2,024.80	A-7462
(j)	Petrolia, Town of	Additional expenditure to that allowed by Board's Order dated May 31st, 1938.	586.86	A-7529
(k)	Petrolia, Town of	Permanent improvements to High School.	3,000.00	A-8458
	Petrolia, Town of	Paved surface on Garfield St.—Local Improvement (on Petition).	550.00	A-8584-a
(k)	Petrolia, Town of	Paved surface on James Street. Local Improvement (on Petition).	770.00	A-8584-b
(k)	Petrolia, Town of	Permanent Improvements to High School.	1,300.00	A-8809
(k)	Pickering, Township of	Purchase of site and erection of school house together with furniture and equipment and water supply in P.S.S. No. 3.	11,000.00	A-8741
	Plympton, Township of	Repair of "Stonehouse" Drain.	825.00	A-8758
(b)	Point Edward, Village of	Sidewalk on Arthur St. and Ernest St.—Local Improvement (on Petition).	600.00	A-8922
	Port Arthur, City of	Sewer on Dalton Ave.—Local Improvement (on Petition).	4,025.00	A-7976
(b)(f)(k)(u)	Port Arthur, City of	Advance of monies to Port Arthur Arena Co. Ltd.	25,000.00	A-8444
	Port Arthur, City of	Sewers on St. George St. and Van Norman St.	3,385.00	A-8496-a
	Port Arthur, City of	Construction and installation of house sewer connections during the year 1939.	7,500.00	A-8643
	Port Arthur, City of	Local Improvements on Banning St., Tupper St., Ontario St., Wilson St., and Dorothy St. (on Petition).	22,200.00	A-8812-a-b-c
	Port Colborne, Town of	Addition to High School.	50,000.00	A-7502
	Port Colborne, Town of	Sanitary sewer together with lateral house connections on Bell Street—Local Improvement (on Petition).	2,281.30	A-8778
(a)	Port Credit, Village of	Watermain on Oakwood Avenue.	2,650.00	A-8802
(j)(k)	Prescott, Town of	Pavement on St. Lawrence St. Local Improvement—(on Petition). Further expenditure (Board's Order of Sept. 13th, 1938).	1,000.00	A-7742-a

(j)(k)	Prescott, Town of	Sidewalks on King St., Centre St., and Water St., and West St. Local Improvements (on Petition). Further expenditure to that allowed by Board's Order of September 13th, 1938.	1,000.00	A-7742-b
(b)(k)(p)	Preston, Town of	Corporation's share of cost of resurfacing pavement on King Street.	20,000.00	A-8657
(a)	Preston, Town of	Concrete walk and curb and gutter on Fountain Street and King Street.	656.00	A-8720
	Preston, Town of	Concrete sidewalk on Moore Street.—Local Improvement (on Petition).	58.00	A-8834
	Ramsay, Township of	School Building (S.S. No. 15).	3,700.00	A-8708
	Ramsay, Township of	Tile stone or timber drains.	2,000.00	A-8893
	Ripley, Village of	Fire protection purposes.	3,000.00	A-8430
	Rochester, Township of	Watermain—immediately north of right-of-way for Canadian National Railways. — Local Improvement (on Petition).	8,764.67	A-8886
(k)	Rockliffe Park, Village of	Watermains on Cloverdale Rd., Prospect Ave., and Lansdowne Avenue.	5,715.11	A-8586
	Rodney, Village of	New heating and ventilating system etc., U.S.S. No. 5.	1,887.00	A-9046-a
	Rodney, Village of	New heating and ventilating system, etc., U.S.S. No. 5	1,831.50	A-9046-b
	Romney, Township of	Repair etc. of "Smith" Drain.	727.00	A-8871-a
	Romney, Township of	Repair etc. of "West Cooper" Drain.	912.00	A-8871-b
	Romney, Township of	Repair etc. of "Cohan" Drain.	730.00	A-8871-c
	Romney, Township of	Repair etc. of "East Cooper" Drain.	2,252 24	A-8871-d
(a)	St. Catharines, City of	Local Improvement works—sidewalks.	8,472.00	A-8453
(a)	St. Catharines, City of	Sidewalk—Permilla Street.	224.00	A-8453
(a)	St. Catharines, City of	Local Improvement works, concrete sidewalks and curbs.	6,494.00	A-8718
	St. Catharines, City of	Sidewalks and lateral sewers. Local Improvements (on Petition).	742.40	A-8846
	St. Catharines, City of	Relief sewer on Wiley Street.	21,301.00	A-9118
(a)	St. Clair Beach, Village of	Watermain on Edgewater Boulevard.	2,577.00	A-8930
	St. Thomas, City of	Certain drainage work in connection with "David Carr" and "John A. Smith" drains.	7,440.00	A-8435
	St. Thomas, City of	Curb and sidewalk on Ross Street and Sanitary sewer on Centre Street.	470.00	A-8650-a-b

	St. Thomas, City of	Sanitary Sewer on Centre St. (on recommendation of Local Board of Health).	500.00	A-8651
	St. Thomas, City of	Concrete curbs on White Street.	1,994.16	A-8762
	St. Thomas, City of	Curbs, gutters and driveways on south side of Erie Street.	940.00	A-8849
	St. Thomas, City of	Curb and gutter on Erie St. and concrete sidewalks on east side of Fifth and Fourth Avenues. Local Improvements (on Petition).	1,800.00	A-9033
	Saltfleet, Township of	Addition of two rooms and equipment of same in present High School.	12,000.00	A-8483
	Saltfleet, Township of	Watermains pursuant to Mandatory Order of Provincial Department of Health.	9,870.84	A-8979
(j)	Saltfleet, Township of	Watermain to street line to serve certain Lots in Normanhurst and Wilson Park surveys. (Local Improvement on Petition).	600.00	A-9073
	Sandwich South, Tp. of	Repair and improvement of "Seventh Concession" Drain.	1,514.90	A-8464-a
	Sandwich South, Tp. of	Repair and improvement of "Sullivan Creek" Drain.	4,915.76	A-8464-b
(c)(k)	Sandwich South, Tp. of	Floating indebtedness.	40,330.00	A-8566
	Sandwich South, Tp. of	Repairing and improving "Little River" Drain.	4,973.63	A-8693
	Sandwich South, Tp. of	Repair and improvement of "South Talbot" and "O'Connell" Drains.	2,027.18	A-8788
	Sandwich South, Tp. of	Repair and improvement of "Fifth Concession" Drain and "Branch" and "Lennon" Drain.	1,804.58	A-8962
	Sarnia, City of	Concrete curb and gutter on east and west sides of College Avenue.—Local Improvement (on Petition).	3,239.00	A-8499
	Sarnia, City of	Concrete sidewalk on west side of Vidal St.—Local Improvement (on Petition).	448.00	A-8776
	Sarnia, City of	Curb and gutter on both sides Campbell Street—Local Improvement (on Petition)	1,549.15	A-8904
	Sarnia, City of	Concrete sidewalk and combined sewer on Watson Street. Local Improvement (on Petition).	1,401.25	A-9040-a-b
	Sarnia, Township of	Drainage work—"Michigan Avenue" Drain.	925.00	A-8224
	Sarnia, Township of	Repair of "6th" and "7th" Concession Drains.	3,750.00	A-8516
	Sarnia, Township of	Repair and improvement of "Bird" Drain.	433.00	A-8786
	Sarnia, Township of	Watermain—Telford St.—Local Improvement (on Petition).	2,905.00	A-8848
	Sarnia, Township of	Repair of "George" Drain.	650.00	A-9034
	Shelburne, Village of	Construction and installation of waterworks extensions (on Mandatory Order of Board of Health).	4,500.00	A-8308

	Shuniah, Municipality of	Purchase of caterpillar tractor and snow plough.	3,100.00	A-9137
(k)	Simcoe, Town of	Permanent improvement to High and Vocational School.	50,000.00	A-8761
(a)	Simcoe, Town of	Sanitary sewer on Chapel Street.	960.00	A-9013
(a)	Simcoe, Town of	Sanitary sewers on Grove, Brook and Ward Streets and Orchard Ave.	2,411.80	A-9029
	Sombra, Township of	Repair of "Ritchie" Drain.	779.00	A-8734
	Sombra, Township of	Repair and improvement of "Griffith" Drain.	1,378.00	A-8789
	Sombra, Township of	Repair of "McLennan" Drain.	1,187.50	A-8944
	Sombra, Township of	Repair of "Botting" Drain.	543.00	A-9025
	Sombra, Township of	Improvement of "McLellan" Drain.	1,268.00	A-9070
	Sophiasburg, Tp. of	Erection of Schoolhouse in S.S. No. 14.	2,000.00	A-9045
(j)(k)	Southampton, Town of	Further capital expenditure to that allowed by Board's Order of Oct. 6th, 1938 for Continuation School purposes.	1,000.00	A-7883
	South Dorchester, Tp. of	Drainage work—"Teskey" Drain.	727.00	A-8251
	South Dorchester, Tp. of	Drainage work.	2,459.00	A-8404
	South Dorchester, Tp. of	Repair of "Brooks" Drain.	3,319.00	A-8523
	South Norwich, Tp. of	Renovation of South Norwich Community Hall.	2,500.00	A-9022
(k)	Stephen, Township of	Installation of a steam heating system in Schoolhouse U.S.S. No. 16.	2,200.00	A-8770
(k)(c)	Stratford, City of	Floating Indebtedness (also under Sec. 59 (d) of Board's Act).	100,000.00	A-8541
(k)	Strathroy, Town of	Addition to Collegiate Institute.	20,000.00	A-8514
(k)	Streetsville, Village of	Enlargement of present school site, erection and equipment of school house.	27,000.00	A-7482
(a)	Sudbury, City of	Watermains on Whittaker, Haig and Albinson Streets.	6,673.02	A-8272
(k)	Sudbury, City of	Additions to Lansdowne and Alexander Schools and purchase of the Kingsmount Site.	80,000.00	A-8517-a
(k)	Sudbury, City of	Erection and equipment of School on Regent Street.	75,000.00	A-8517-b
(a)	Sudbury, City of	Local Improvements—Concrete walks, Sanitary sewers.	64,630.20	A-8554-a.b.c.
(c)(k)	Sudbury, City of	Floating indebtedness.	150,000.00	A-8609
(a)	Sudbury, City of	Local Improvements—watermains.	43,972.82	A-8610
(k)	Sudbury, City of	Addition to Technical School.	180,000.00	A-8661
(a)	Sudbury, City of	Local Improvements—Sanitary Sewers.	15,354.00	A-8715
(a)	Sudbury, City of	Local Improvements—Concrete walk—both sides Brandon Street.	1,960.00	A-8716

	Sudbury, City of	Sanitary sewer on Pine Street—Local Improvement (on Petition).	2,610.00	A-8909
	Sunnidale, Township of	Purchase of site and erection of Public School S.S. No. 14.	6,000.00	A-8948
	Swansea, Village of	Further cost of grading Yule Avenue over and above that allowed by Board's Order of September 30th, 1938.	260.00	A-7925-a
	Swansea, Village of	Gravel road with plank curb on Morningside Avenue.	1,650.00	A-8479
	Swansea, Village of	Watermain on South Kingsway.	2,171.00	A-8480
	Swansea, Village of	Sanitary sewers with house connections on Riverside Drive, Brule Gardens, Brule Terrace and Brule Crescent.—Local Improvements (on Petition).	13,100.00	A-8623
	Swansea, Village of	Concrete sidewalk on west side of Durie Street—Local Improvement (on Petition).	900.00	A-8687
	Swansea, Village of	Gravel road on Willard Gardens.	1,050.00	A-8721
	Swansea, Village of	Concrete sidewalk on north side of Bloor Street.—Local Improvement (on Petition).	640.00	A-8887
	Swansea, Village of	Widening of pavement on north side of Bloor Street.—Local Improvement (on Petition).	1,425.00	A-8887-a
	Swansea, Village of	Concrete sidewalk on east side of Riverview Gardens.—Local Improvement (on Petition).	325.00	A-8992-a
	Swansea, Village of	Asphalt pavement on Riverview Gardens.—Local Improvement (on Petition).	3,730.00	A-8992-b
	Swansea, Village of	Sanitary sewer on Riverside Trail.—Local Improvement (on Petition).	700.00	A-8924
	Swansea, Village of	Concrete sidewalks on north and south sides of Mayfield Avenue.—Local Improvement (on Petition).	985.00	A-8925
	Swansea, Village of	Pumping Station at westerly end of Brule Gardens.	12,800.00	A-8926
(c)	Swansea, Village of	Floating indebtedness incurred in respect to Corporation's obligations to Township of York.	29,165.79	A-9149-a-b
	Tarentorus, Township of	Improvement and extension of Electrical Distribution System.	4,000.00	A-8975
(b)	Teck, Township of	Sewers and watermains on Earl Street.	3,665.00	A-8215
(b)	Teck, Township of	Addition to High School building.	66,000.00	A-8369
(k)	Teck, Township of	1939 Works Programme—Storm sewers, Installation of water and sewer services, Sidewalks, Sewers and watermains, Public School Additions, Hospital Addition. (By-law 953 erection of isolation hospital—-$15,000 validated.)	208,397.00	A-8570
(c)	Teeswater, Village of	Floating indebtedness.	3,500.00	A-8816

	Thorold, Township of	Watermain between Township Lots 239 and 240.—Local Improvement (on Petition).	1,549.06	A-8284
	Tilbury East, Tp. of	Better maintenance and completion of East branch of "Burgess" Drain.	1,589.00	A-8285-a
	Tilbury East, Tp. of	Better maintenance and completion of "Moffat" Drain.	2,360.00	A-8285-b
	Tilbury North, Tp. of	Improvements to the "6-7 Sideroad" Drain.	4,606.58	A-8550
	Tilbury North, Tp. of	Repair and improvement of the "Plouffe" Drain.	869.00	A-8858
	Tilbury North, Tp. of	Improvement of the "Desjardins" Drain.	811.00	A-8942
	Tilbury North, Tp. of	Repair of "Turnbull" Drain.	953.00	A-9114
(a)(b)(j)	Timmins, Town of	Further expenditure on Local Improvement works over and above that allowed by Board's Order of Aug. 23rd, 1938.	1,478.00	A-7811
(b)(g)(p)	Timmins, Town of	Garage and machine shop (also extension of time to pass By-law Sec. 297 of Municipal Act).	15,000.00	A-8209
	Timmins, Town of	Addition to High School.	85,000.00	A-8364
(b)(j)	Timmins, Town of	Trunk Sewers and sewage disposal drying bed.	18,315.00	A-8441-a
(b)(j)	Timmins, Town of	Lateral Watermains and Force Mains and Meter Chamber.	41,850.00	A-8441-b
(a)(b)	Timmins, Town of	Local Improvements—Concrete Sidewalks.	15,530.00	A-8441-c (1, 2)
(b)(i)	Timmins, Town of	Storm sewer on Sixth Avenue.	5,360.00	A-8441-d
(a)(b)	Timmins, Town of	Lateral Sewers—Lee Avenue, etc.	11,800.00	A-8441-e
(a)(b)	Timmins, Town of	Pavement of Lanes.	4,000.00	A-8441-f
(a)(b)(k)	Timmins, Town of	Concrete Sidewalks.	6,838.94	A-8607
(a)(b)	Timmins, Town of	Sanitary sewers on Eighth Avenue and Spruce Street.	5,300.00	A-9001
(b)	Timmins, Town of	Watermains on Eighth Avenue and Spruce Street.	5,400.00	A-9002
(a)(b)	Timmins, Town of	Lateral sewers on Cedar Street, etc.	3,245.50	A-9049
(i)(b)	Timmins, Town of	Waterworks on Cedar Street.	2,950.00	A-9116
(g)	Tisdale, Township of	Building and equipping new Municipal offices.	55,000.00	A-8310
	Tisdale, Township of	Extensions to waterworks and sewer systems in South Porcupine.	30,000.00	A-8440
(n)	Toronto, City of	Sewer lane first west of Huron St. and concrete pavement.	4,825.00	A-8005-2-3
(n)	Toronto, City of	Pavement on lane first east of Pape Avenue.	1,526.00	A-8005-4
	Toronto, City of	Sidewalk on east side of Castlewood Road.	1,189.00	A-8208-1
	Toronto, City of	Concrete sidewalk on north side of Glencairn Avenue.	379.00	A-8208-2
	Toronto, City of	Subway on Victoria Park Avenue.	50,000.00	A-8235
	Toronto, City of	Purchase of new Ferry Boat.	150,000.00	A-8236
	Toronto, City of	Watermain on Indian Grove.	276.94	A-8242

	Toronto, City of	Additions to Oriole Park School, Lawrence Park Collegiate and Danforth Technical School.	283,000.00	A-8282 and A-8283-a-b A-
	Toronto, City of	Duplicate waterworks system.	1,000,000.00	A-8340
	Toronto, City of	Concrete sidewalk on McFarland Avenue.	467.00	A-8410
	Toronto, City of	Watermain on Davenport Road.	426.28	A-8434
	Toronto, City of	Corporation's share of Toronto Transportation Commission's track allowance pavements etc.	86,180.95	A-8509
	Toronto, City of	Concrete sidewalk on Castlefield Avenue.	226.00	A-8510
(p)	Toronto, City of	Reconstruction of Street Cleaning Department stable for garage purposes.	40,000.00	A-8536
	Toronto, City of	Sidewalks on portions of Mann Street and Cortland Avenue.	2,486.00	A-8602
	Toronto, City of	Sidewalk and curbing on Glenside Avenue.	1,445.00	A-8671
	Toronto, City of	City's portion of cost of construction of suburban roads for the year 1938.	53,433.60	A-8736
	Toronto, City of	Pavement and sidewalks on College Street.	20,813.00	A-8742
	Toronto, City of	City's share of work and cost of re-alignment of pavement, curbings, sidewalks and Toronto Transportation Commission tracks on portions of College Street.	81,210.00	A-8901
(a)	Toronto, City of	Sidewalk—Sydenham Street pavement and curbing—Mt. Pleasant Road.	87,255.00	A-8923-1-2-3-4
	Toronto, City of	Watermain on Smith Street.	903.00	A-8989
	Toronto, City of	Sidewalk on portion of George Street.	216.00	A-8890
	Toronto, City of	Balance of cost of duplicate waterworks system.	550,000.00	A-8990
	Toronto, City of	Concrete curbings on portions of Glen Oak, Glen Oak North and Glen Oak West.	2,592.00	A-8939
	Toronto, City of	Sidewalk on portion of south side of Glenlake Avenue.	559.00	A-9138
	Toronto, City of	Revenue watermain on portion of Strathgowan Avenue.	730.01	A-9139
(d)(k)	Trenton, Town of	Retirement of unmatured debentures.	40,831.74	A-8850
(d)(k)	Trenton, Town of	Retirement of unmatured debentures.	9,709.86	A-8851
(c)(k)	Trenton, Town of	Floating indebtedness.	20,000.00	A-8852
(d)(k)	Trenton, Town of	Retirement of unmatured debentures.	2,720.53	A-8853
	Tweed, Village of	Watermain and sewer on McGowan Street.—Local Improvement (on Petition).	2,500.00	A-8135
	Vankleek Hill, Town of	Permanent improvements to Collegiate Institute.	16,000.00	A-8729

	Waterloo, Town of	Branch sewer on Roslyn Avenue. Local Improvement (on Petition).	424.80	A-8757-a
	Waterloo, Town of	Watermain on Roslyn Avenue. Local Improvement (on Petition).	378.00	A-8757-b
	Waterloo, Town of	Concrete sidewalk on Bowman Street. — Local Improvement (on Petition).	600.00	A-8835-a
	Waterloo, Town of	Sewer on Elmer Street.—Local Improvement (on Petition).	357.00	A-8835-b
	Waterloo, Town of	Concrete sidewalk on Moore Avenue. Local Improvement (on Petition).	425.00	A-8835-c
	Waterloo, Town of	Gas Main on Bowman Street. — Local Improvement (on Petition).	1,200.00	A-8835-d
	Waterloo, Town of	Branch sewer on David Street. Local Improvement, (on Petition).	900.00	A-9057
(c)(k)	Wentworth, County of	Floating Indebtedness.	100,000.00	A-8995
	West Garafraxa, Tp. of	Tile, stone or timber Drains.	5,000.00	A-8269
(k)	West Gwillimbury, Tp. of	Construction of "Holland Marsh Drainage Works".	3,771.31	A-8380
(c)(k)	West Lorne, Village of	Floating indebtedness.	40,000.00	A-8052-a
	West Oxford, Tp. of	Construction of "Hall's Creek" Drain.	687.20	A-8911-a
	West Oxford, Tp. of	Repair and extension of "Waite" Drain.	735.10	A-8911-b
	Westminster, Tp. of	Construction of Tile Drains under "The Municipal Drainage Act".	3,667.00	A-8664-a-b
	Westminster, Tp. of	Storm sewer on south side of Iroquois Ave.—Local Improvement (on Petition).	935.50	A-8664-c
	Westminster, Tp. of	Cement sidewalk on Devonshire Ave.—Local Improvement (on Petition).	2,974.00	A-8664-d
	Westminster, Tp. of	Construction of "Base Line Road" Storm Drains.	2,685.00	A-8790
	Westminster, Tp. of	Construction of tile drain on southerly side of Cliftonvale Avenue.	508.00	A-8791
	Westminster, Tp. of	Watermain on northerly side of Highway Avenue.—Local Improvement (on Petition).	2,119.00	A-8870
	Westminster, Tp. of	Concrete sidewalk on south sides of Janes Street and east side of High Street.—Local Improvement (on Petition).	1,843.00	A-8918
	Westminster, Tp. of	Construction of "Commissioners Road" Drain.	1,900.00	A-9071
	Weston, Town of	Watermain on Jane Street and on Wilson Avenue.	22,280.63	A-9143
	Wiarton, Town of	Purchase of Fire truck and other fire-fighting apparatus.	3,000.00	A-8825
(k)	Wiarton, Town of	Equipment of General Shop and Home Economics Departments of Wiarton High School.	3,000.00	A-8971

(k)	Wicksteed, Township of	Completing and equipping two unfinished rooms in the Hornepayne Public and Continuation School.	3,000.00	A-8616
	Winchester, Village of	Construction and equipment of addition to the High School.	9,000.00	A-7419
(j)(k)	Winchester, Village of	Additional amount for construction and equipment of an addition to High School over and above that allowed by Board's Order of March 6th, 1939.	2,000.00	A-7419
(b)(i)	Wingham, Town of	Augmenting and extending the waterworks.	12,000.00	A-8414
(c)(k)	Wolfe Island, Tp. of	Floating indebtedness.	10,000.00	A-8399
(g)	Woodstock, City of	Collegiate Institute purposes.	229,800.00	A-8206
(a)	Woodstock, City of	Local Improvements—Sidewalks, Dundas and Perry Streets.	2,093.30	A-8474-a-b-c
	Woodstock, City of	Concrete sidewalk, curb and gutter on Fyfe Ave. and concrete sidewalk on Market Square.—Local Improvement—(on Petition).	729.60	A-8475-a-b
	Woodstock, City of	Pavement on Dover St. Local Improvement (on Petition).	955.00	A-8660
	Woodstock, City of	Sanitary sewer on Fifth Ave. and concrete sidewalk on north side of Fifth Ave.—Local Improvement (on Petition).	606.00	A-8863-a-b
	Yarmouth, Township of	Repair and reconstruction of "Smith-Carr" outlet Drain.	6,522.00	A-8378
	Yarmouth, Township of	Repair of "McCallum" Drain.	2,400.00	A-8883
	Yarmouth, Township of	Construction of the "Turnbull" Drain.	663.00	A-8959
	Zone, Township of	Repair of the "Dancey" Drain.	1,675.46	A-8324-a
	Zone, Township of	Repair of the "Charron" Drain.	205.00	A-8324-b
	Zone, Township of	Repair of the "Shaw" Drain.	151.23	A-8324-c
	Zone, Township of	Repair of the "One and Two Concession" Drain.	236.37	A-8324-d

SECTION 407 (2) OF "THE MUNICIPAL ACT" — APPROVAL OF BY-LAWS —WHERE CAPITAL EXPENDITURE APPROVED PRIOR TO 1939.

Municipality	By-Law No.	Purpose	Amount	Procedure File
Arthur, Village of	967	Improvement to Waterworks System. $	3,000.00	A-8141
Swansea, Village of	772	Pumping Station—Brule Gardens and force main.	12,800.00	A-8626
Timmins, Town of	587	Extension of watermain on Carlin Ave.	3,000.00	A-7960

Section 64 of Part IV of "The Ontario Municipal Board Act"—Validation of Debenture By-Laws Where Capital Expenditure Approved Prior to 1939.

Municipality	By-Law No.	Purpose	Amount	Procedure File
Belleville, City of	3515	Certain Local Improvements.	6,000.00	A-9113
Blenheim, Town of	766	Addition to and equipment for present High School.	10,500.00	A-7076
Brantford, City of	2717	Certain concrete pavements.	20,045.00	A-6903
Brantford, City of	2716	Storm sewers.	4,791.42	A-8527
Brantford, City of	2718	Concrete curbs.	2,359.98	A-8528
Brantford, City of	2720	Concrete walks.	1,970.91	A-8529
Carleton, County of	1182	Improvement of County Highways.	39,700.00	A-7286-a-b
Carnarvon, Tp. of	499	Addition to School in Section No. 6.	4,500.00	A-7564
Cornwall, Town of	14-1939	Local Improvements.	15,416.18	A-8658
Delaware, Tp. of	1102	Building and equipping School House—S. S. No. 2.	14,000.00	A-7699
Delaware, Tp. of	1104	Building and equipping School House—S. S. No. 3.	3,000.00	A-7831
Dunnville, Town of	9-1938	High School purposes.	35,000.00	A-7430
Etobicoke, Tp. of	5050	Concrete sidewalks.	2,957.97	A-8111
Etobicoke, Tp. of	4056	Sewers and watermains (and By-laws 4028, 4034, 4036, 4038 and 4040 thereby consolidated).	15,180.00	A-8703
Etobicoke, Tp. of	4057	Grading, Storm Sewers and Watermains (and By-laws 4027, 4031, 4032, 4033, 4035, 4037, 4039, 4041 and 4054 thereby consolidated).	18,570.00	A-8704
Etobicoke, Tp. of	4074	Watermains in Township Water Area Nos. 7, 13 and 15.	9,370.00	A-8705
Etobicoke, Tp. of	6130	Storm Sewers and Watermains (and By-laws Nos. 6125, 6126, 6127, 6128 and 6129 thereby consolidated).	6,144.04	A-8706
Etobicoke, Tp. of	6180	Sanitary Sewers.	202,000.00	A-9105-a
Etobicoke, Tp. of	6179	Sanitary Sewers in Township Sewer Area No. 5.	142,600.00	A-9105-b
Exeter, Village of	4-1938	Additional building accommodation and equipment for High School.	19,000.00	A-7633

Fort William, City of	3693	Bridge over Neebing River on May St.	18,024.50	A-6785
Fort William, City of	3694	Subway under tracks of Canadian Pacific Railway at James St.	34,292.05	A-6835
Fort William, City of	3594	Site for and establishment of air harbor.	40,000.00	A-7207
Fort William, City of	3692	Bithulithic pavement on James St.	10,379.53	A-7386 and A-7640-a
Fort William, City of	3648	Local Improvements (and By-laws 3638-3644 Inclusive thereby consolidated).	117,424.75	A-8429
Halton, County of	721	Construction and improvement of highways forming part of the County Road System.	9,600.00	A-8118
Kitchener, City of	2611	Direct Relief for 1937.	15,000.00	A-7377
Kitchener, City of	2632	Improvements to sewage disposal plant.	9,000.00	A-7713-b
Kitchener, City of	2657	Certain Local Improvements.	20,427.26	A-8320
Kitchener, City of	2658	Certain Local Improvements.	35,978.30	A-8321
Kitchener, City of	2659	Certain Local Improvements.	2,102.43	A-8322
Lanark, County of	1141	Construction and improvement of County Highways.	12,500.00	A-8105
Leamington, Town of (Roman Catholic Separate School Board)	4	Erection of School Building.	12,000.00	A-9082
Leaside, Town of	598	Certain Local Improvements.	82,810.97	A-8290-a
Leaside, Town of	599	Certain Local Improvements.	33,512.22	A-8290-b
Leaside, Town of	613	Certain Local Improvements.	27,401.30	A-8425
Merrickville, Village of	517	Purchase of fire engine and necessary equipment therefor.	3,500.00	A-8024
Mersea, Tp. of	842	Repair and improvement of "East March Drainage System".	8,791.00	A-7862
Mimico, Town of	1025	Debentures authorized under By-laws Nos. 728, 864, 866, 857, 868 and 865 thereby amended.	139,000.00	A-8644
New Toronto, Town of	1110	Amending its By-law 903—Local Improvements.	148,132.86	A-8781

North Walsingham, Tp. of, Trustees of Board of Roman Catholic Separate School, Section No. 22	3	Erection of a school building.	7,000.00	A-8250
North York, Tp. of	2643	Concrete pavements.	9,060.00	A-7796-b-c
North York, Tp. of	2644	Construction of sewage pumping station, a forde main and an outfall sewer in Sewage System Area No. 2.	14,500.00	A-7933
North York, Tp. of	2645	Certain sanitary sewers in Sewerage System Area No. 2,	11,875.00	A-7983
North York, Tp. of	443	(and By-laws 434 and 435 thereby consolidated, as amended by By-law 2522 —$8,645.61 unredeemed portion of debenture issue thereunder) — Certain Watermains in Water Areas Nos. 3 and 4,	10,825.00	A-8174
North York, Tp. of	1275	(as amended by By-law 2523—$5,201.02 unredeemed portion of the debenture issue thereunder) Sanitary Sewer on Brooke St.	6,900.00	A-8175
North York, Tp. of	1857	(as amended by By-law 2524, $1,447.98 unredeemed portion of the debenture issue thereunder) Concrete sidewalks and 6" curbs on St. Germain St.	2,530.00	A-8176
North York, Tp. of	1859	(as amended by By-law 2525, $5,686.38 unredeemed portion of the debenture issue thereunder) opening of Kingsdale Avenue.	6,770.00	A-8177
North York, Tp. of	1862	(and bylaws 1849, 1858, and 1861 thereby consolidated as amended by by-law 2526 — $152,518.92 unredeemed portion of debenture issue thereunder) watermains in Water Area No. 1, construction of certain street widenings to 86' and construction of certain street widenings to 100' in the Township.	180,121.00	A-8178
North York, Tp. of	1929	(as amended by By-law 2527—unredeemed portion of the debentures issued thereunder—$8,607.93) certain watermains in Water Area No. 1.	10,335.00	A-8179

North York, Tp. of	1930	(as amended by By-law 2528, $2,265.84 unredeemed portion of debentures issued thereunder) Watermains in Water Area No. 1.	2,455.00	A-8180
North York, Tp. of	1971	(as amended by By-law 2529, $1,870.71 unredeemed portion of the debentures issued thereunder) concrete pavement on Alexandra Ave.	2,800.00	A-8181
North York, Tp. of	2118	(and By-laws 2116 and 2117 thereby consolidated, as amended by By-law 2530—$10,092.32 unredeemed portion of debenture issue thereunder) pavements and watermains.	15,353.63	A-8182
Oshawa, City of	2317	Purchase of Children's shelter.	13,700.00	A-8119
Ottawa, City of	8497	Permanent improvement to Ottawa High School.	500,000.00	A-6957
Owen Sound, City of	953	Construction of sidewalks.	5,935.99	A-9058-a
Owen Sound, City of	954	Construction of sidewalks.	3,265.09	A-9058-b
Owen Sound, City of	955	Construction of curbs and gutters.	4,204.86	A-9058-c
Owen Sound, City of	956	Construction of curbs and gutters.	821.85	A-9058-d
Owen Sound, City of	957	Construction of pavements.	34,545.67	A-9058-e
Petrolia, Town of	1599	(and By-laws 1595, 1597 and 1598 thereby consolidated), Local Improvement Works.	11,634.50	A-9067
Port Arthur, City of	2366	Construction of Bridge on May St. over the McIntyre River.	16,000.00	A-6626
Port Arthur, City of	2367	Construction of permanent improvements in the Public Parks	95,000.00	A-7499
Port Arthur, City of	2350	House Sewer connections made in the year 1938.	7,271.63	A-8085
Port Arthur, City of	2365	(and By-laws 2352 to 2364 (both inclusive) thereby consolidated) — Local Improvements.	61,210.00	A-9055
Port Elgin, Village of	872	High School purposes.	45,000.00	A-7932
Rockcliffe Park, Village of	252	(and By-laws 249, 250 and 251 thereby consolidated) — Local Improvement Works.	13,000.00	A-8252

Smooth Rock Falls, Town of	175	Extension to Public School House,	21,600.00	A-8096
Sudbury, City of	2060	(and by-laws 2056 and 2057 thereby consolidated), Local Improvements.	49,571.22	A-8829
Tisdale, Tp. of	486	Construction and installation of sanitary sewers and an extension to sewage treatment plant in School Section No. 2.	34,852.40	A-7500
West Lorne, Village of	433	(As amended by By-law 444) Waterworks System.	86,000.00	A-8052

SECTION 16 OF "THE MUNICIPAL ACT" ANNEXATIONS

Municipality	Lands Annexed	Procedure File
Port Stanley, Village of	Part of original Township Lot No. 2 in First Concession of Tp. of Yarmouth.	A-8491

ASSESSMENT APPEALS

	Procedure File
Bryson Estates Ltd. vs. City of Ottawa	A-8302
Carter (Mary E. and Martha) Estates vs. City of Toronto	A-8287
Davis, Lillian vs. City of Toronto	A-8014
Dominion Natural Gas Co. Ltd. vs. Township of Walpole	A-7997
Dovercourt Land Building and Savings Co. vs. City of Toronto	A-8273
Ellsworth, A. L., and City of Toronto	A-8163
Ferguson, Robert vs. City of Toronto	A-8014
Foster Realty Company, Ltd. vs. City of Ottawa	A-8301
Hardy, Hon. A. C. and Dorothy vs. City of Ottawa	A-8299
Halifax Fire Insurance Co. vs. City of Toronto	A-8262
International Metal Industries Ltd. vs. City of Toronto	A-8905
Linzon, A. vs. City of Toronto	A-8191
Manning, Alexander (Estate of) vs. City of Toronto	A-8263
Manning, P. A. (Estate of) vs. City of Toronto	A-8264
Michigan State Bridge Commission vs. Village of Point Edward	A-8230
New York Life Insurance Co. vs. City of Toronto	A-8265
Norwich Union Life Insurance Society vs. City of Toronto	A-8261
Oshawa Railway Company vs. City of Oshawa	A-7451
Perry Telephone System vs. Township of Richmond and Township of Camden	A-8692-a-b
Sovereign Realty Company, Ltd. vs. City of Ottawa	A-8300
Taylor, J. & J. Ltd. vs. City of Toronto	A-8065
Thomas, Milton A. Estate vs. City of Toronto	A-8270
Turner, Sydney, vs. City of Toronto	A-8133

PART III OF "THE DEPARTMENT OF MUNICIPAL AFFAIRS ACT"

	Procedure File
Town of Collingwood	A-8239
Windsor Essex & Lake Shore Electric Railway Association	A-8266

SECTION 32 (h) OF "THE DEPARTMENT OF MUNICIPAL AFFAIRS ACT"

New Toronto, Town of	Approval of By-law to vary the times of payment of certain Local Improvement rates imposed by By-laws Nos. 901 and 902 upon certain lands that formerly fronted on Birmingham St. and to apportion the rates so varied	A-9133

REFUNDING PLANS

"The Department of Municipal Affairs Act"
(R.S.O. 1937, Chapter 59)

	Procedure File
Blind River, Town of	A-8921
Collingwood, Town of	A-9093
East York, Township of	A-9095
Fort Erie, Town of	A-9043
Penetanguishene, Town of	A-8906
Scarborough, Township of	A-9084
Thorold, Town of	A-8293
York, Township of	A-9094
York, Township of (Agreement with Village of Forest Hill)	A-9094-a

SECTION 21 OF "THE MUNICIPAL ACT"
DETACHMENT OF FARM LANDS FROM TOWN OR VILLAGE

Municipality		Procedure File
Dutton, Village of	Application of Henry A. Milton for detachment from the Village of Dutton of certain of his farm lands therein and the annexation of same to the Township of Dunwich	A-7533
Hensall, Village of	Application of Roy Bell et al. for detachment from the Village of Hensall of certain lands described in the application and the annexation of same to the Townships of Tuckersmith and Hay	A-8468

SECTION 305 (11) and (12) of "THE MUNICIPAL ACT"

EXTENSION OF DEBENTURE ISSUE PERIOD

(a) also approved under Section 310 of "THE MUNICIPAL ACT"

Municipality	By-Law No.	Purpose	Amount	Procedure File
Teck, Township of	844	Certain cement sidewalks.	14,240.00	A-6073-b
(a) New Toronto, Town of	1110	(amending By-law 903) Extending debentures issue period and decreasing rate of interest from 6% to 3% for Local Improvements	148,132.86	A-8781

SECTION 297 (5) OF "THE MUNICIPAL ACT"

EXTENSION OF TIME TO PASS BY-LAW

Municipality	By-Law No.	Purpose	Amount	Procedure File
Dunnville, Town of	9-1938	Addition to High School	35,000.00	A-7430
Fort William, City of	3594	Establishment of Air Harbour	40,000.00	A-7207

SECTION 502 (2) OF "THE MUNICIPAL ACT"

ESTABLISHMENT OF NARROW HIGHWAYS

Cornwall, Township of	Approval of establishment of highways known as "Menard Avenue" at a width less than sixty-six feet	A-8608
St. Catharines, City of	Approval of establishment of highway over part of Volette Street (Racecourse Plot Plan No. 105) at a width less than sixty-six feet	A-8838

HIGHWAYS, DEPARTMENT OF (ONTARIO) CLAIMS AGAINST

Claimant	Property	Procedure File
L. George Cloutier	Part south half of Lot No. 6 in the Fourth Concession of Tp. of Armstrong, District of Temiskaming	A-8028
William Guthrie	Lots No. 6 and 8 Registered Plan No. 5, Tp. of Sarnia, County of Lambton	A-8508
James Guthrie	Lot No. 7 Registered Plan No. 175, Tp. of Sarnia, County of Lambton	A-8507
Jessie Laycock	Lands expropriated by Registered Plan No. 8185 for the County of Simcoe	A-7390
Arthur E. Still	Portions of Lot 8, Concession 7, and Lots 7 and 8, in Concession 8, of the Tp. of Medora in District of Muskoka	A-8192

SECTION 348 (3) OF "THE MUNICIPAL ACT"

WIDENING OF HIGHWAY

		Procedure File
Ottawa, City of	Approval of By-law No. 7036 (as amended), Widening of Gladstone Avenue between Elgin St. and Bank St.	A-6636-a

ORDERS ISSUED BY BOARD UNDER SECTION 339 (2) OF "THE MUNICIPAL ACT" APPROVING OF INCREASED BORROWINGS BY MUNICIPALITIES

(a)—Also approved under Sec. 49 of "The Ontario Municipal Board Act".

	Municipality	Amount	Procedure File
	Belleville, City of	90%	A-8878
(a)	Belleville, City of	10%	A-8878
	Cornwall, Township of	90%	A-8531
	Dunwich, Township of	90%	A-8652
	Halton, County of	100%	A-9020
	Kenora, Town of	90%	A-8823
	Lanark, County of	80%	A-9048
(a)	Lanark, County of	10%	A-9048
	Larder Lake, Town of	90%	A-9030
	Lennox and Addington, County of	90%	A-8488
(a)	Lennox and Addington, County of	10%	A-8488
	Mosa, Township of	90%	A-9123
	Northumberland and Durham, United Counties of	90%	A-8424
	St. Marys, Town of	90%	A-9036
	Sioux Lookout, Town of	90%	A-8813
	Teck, Township of	90%	A-9004
	Wellington, County	100%	A-8612

LEGISLATION (SPECIAL)

Municipality		Procedure File
Etobicoke, Township of	Annual allowance to Members of Council and to the Chairman of one or more Standing Committees (Township of Etobicoke Act, 1939, section 4)	A-9106
Grand River Conservation Commission	Appeal of Town of Waterloo, City of Kitchener, Town of Preston, Town of Paris, City of Brantford and Village of Fergus against apportionment of cost of Grand River Conservation Scheme (Grand River Conservation Act, 1938)	A-8482 A-8489 A-8493 A-8484 A-8538 A-8546
Grand River Conservation Commission	Approval of certain salaries, expenses or allowances to be paid to the Officers and Members of the Grand River Conservation Commission (Grand River Conservation Act)	A-8226
Sandwich, Windsor & Amherstburg Railway Company	Fixing of salaries of officers of Company as follows: C. H. Furlong, Chairman $3,600 per annum C. Chauvin, Member 1,980 " " C. Jackson, Member 1,980 " " (The Sandwich, Windsor and Amherstburg Railway Act, 1939).	A-8450
Sandwich, Windsor & Amherstburg Railway	Approval of By-laws F and G regulating bus stops and bus stands (Sandwich, Windsor and Amherstburg Railway Act, 1939)	A-8801
Sandwich, Windsor & Amherstburg Railway	Approval of By-law D respecting construction etc., of gasoline storage tanks, and By-law E regulating bus stops and bus stands (Sandwich, Windsor and Amherstburg Railway Act)	A-8598 A-8599
Toronto, City of	Approval of By-law No. 15171, amending By-law No. 14913 respecting noises (Section 4 of City of Toronto Act, 1939)	A-8615
York, Township of	Approval of By-law No. 11, 841, prohibiting the making of pits and quarries in the said Township (Sec. 6, (3) of Township of York Act, O.S. 1933, C. 112)	A-8747

SECTION 420 (11) OF "THE MUNICIPAL ACT"

APPROVAL OF LICENSE FEE

Municipality	Purpose	Procedure File
Kitchener, City of	Annual fee of Twenty-five Cents for Bicycle	A-8295
Long Branch, Village of	Annual fee of Fifty Cents for Bicycle, By-law No. 127	A-8247
Orillia, Town of	Annual fee of Fifty Cents for Bicycle By-law No. 1463	A-8233
York, Township of	Annual fee of Thirty Cents for Bicycle By-law No. 11800	A-8258

ORDERS ISSUED BY BOARD UNDER SECTION 8 OF "THE LOCAL IMPROVEMENT ACT" APPROVING OF THE UNDERTAKING OF LOCAL IMPROVEMENT WORKS

Municipality	Date Of Notice Of Intention	Works	Procedure File
Peterborough, City of	June 26th, 1939	Sidewalk on Rose St. and Sewer on Lynch St.	A-8700-a-b
Sault Ste. Marie, City of	Oct. 24th, 1938	Improvement of Streets, treating with oil.	A-8234-a
Sault Ste. Marie, City of	Dec. 28th, 1938	Sanitary sewers	A-8234-b
Sault Ste. Marie, City of	June 10th, 1939	Sidewalks and Sewers	A-8678-a
Sault Ste. Marie, City of	June 14th, 1939	St. Improvement. Treatment with Calcium Chloride.	A-8678-b

SECTION 18 OF "THE LOCAL IMPROVEMENT ACT" PART ONLY OF WORK

Municipality	Amending By-Law	Original By-Law	Procedure File
Toronto, City of	15261	15028	A-9096

SECTION 27 (3) OF "THE LOCAL IMPROVEMENT ACT" APPORTIONMENT OF COST OF LOCAL IMPROVEMENT WORKS

Municipality	Purpose	Procedure File
Ottawa, City of	Grading of Belvedere Crescent	A-7109
Owen Sound, City of	Pavement on 5th Street "A" East	A-8420

SECTION 404 (c) OF "THE MUNICIPAL ACT" ERECTION OF MONUMENT IN HIGHWAY

Simcoe, County of	Approval of the erection of Soldier's Memorial Monument at the intersection of County Road No. 9 with County Road No. 7, Tp. of Sunnidale, County of Simcoe	A-8569

SECTION 59 (c) OF "THE MUNICIPAL BOARD ACT"

Municipality	By-Law No.	Purpose	Amount	Procedure File
Leamington, Town of (Roman Catholic Separate School Board)	4	Erection of School Building	$12,000.00	A-9082

SECTION 12 (6) OF "THE PUBLIC PARKS ACT" SETTING ASIDE PART OF FOR ATHLETIC PURPOSES

Municipality	Property Affected	Procedure File
Hamilton, City of	Certain lands set out in Schedule "A" to By-law No. 4911	A-8228
Waterloo, Town of	Portion of Waterloo Park	A-8297

"THE PLANNING AND DEVELOPMENT ACT", "THE LAND TITLES ACT" And "THE REGISTRY ACT"

PLANS OF LAND SUBDIVISIONS

Owner	Description	Procedure File
Arnold, Wm.	Parts west ½ South Lots 8 and 9 Con. 11, Tp. of Verulam, Co. Victoria	A-8920
Brunelli, Alex	Part Lots 3 and 4, Block 59, Town of Simcoe, (Registry Act)	A-8256
Brookfield, Jacob Roy	Part Lots 3 and 4, Block 59, Town of Simcoe, Co. Norfolk	A-8405
Bull, L. J. C. et al	Part of part Lot 1, Reg. Plan B.R. 29, Town of Brampton, Co. Peel	A-8827
Billings, A.M. and M.H.	Resubdivision Reg. Plan 403, Tp. Gloucester, Co. Carleton (Lots 1-31 inclusive) (Planning and Development and Registry Act)	A-8880
Boyko, W.	Parcels "H" and "F", Reg. Plan 103 Atikokan, Dist. Rainy River (Land Titles and Planning and Development Acts)	A-9122
Canadian Northern Ontario Ry. Co. and Canadian National Realties, Ltd.	Proposed street running easterly and northeasterly from Laird Drive, a distance of 1100' south of Industrial St. in Town of Leaside (60')	A-8328
Conlin, Ida H.	Part Lots 23, 24 and 21, Block 18, Village of Delhi, Co. Norfolk (Registry Act and Planning and Development Act)	A-8402
Canadian National Railways	Portion of centre part of Mining Location 867x Tp. of Freeborn, Dist. Rainy River, at Atikokan (Land Titles Act)	A-8431
Cullen, G. B.	Portion of west ½ of Mining Location 867, Tp. of Freeborn, Dist. of Rainy River at Atikokan, (Land Titles Act)	A-8432
Canadian National Railways	Part Parcel 6301, Mining Location 867x at Atikokan, Rainy River Dist. (Land Titles Act)	A-8744
Carvolth, Richard S.	Lot 447, Reg. plan 421 Con. IV west of Communication Rd., Tp. of Harwich, Co. Kent	A-8862
Cullen, G. B.	Part Mining Location x864, Tps. Freeborn and Schwenger, Dist. of Rainy River at Atikokan (Planning and Development and Land Titles Act)	A-9129-a
Cullen, G. B.	Part Mining Location x864, Tp. Freeborn and Dist. of Rainy River at Atikokan (Planning and Development and Land Titles Acts)	A-9129-b
Couch, Kenneth	"Macauley Block"—North side Dundas St. Town of Trenton (Registry Act)	A-9151
Davis, Alexander and Eliza F.	Part Lot 21, Con. VI, Tp. of Sarnia, Co. of Lambton	A-8500
Feldman, Frank	Part Lot 2, Con. II and III, Tp. of Mountjoy Dist. Cochrane (Land Titles Act)	A-8683
Gorban Land Co. Ltd.	Part of Gore of Ancaster—now in City of Hamilton, known as "Westwood" (Planning and Development and Registry Acts)	A-8211
Gates, H. H.	Lots 15 and 19 (inclusive) fronting on Jackson St. and Lots 15 to 18 (inclusive) fronting on Hunter St.—City of Hamilton, Co. Wentworth "Wesanford" Survey	A-8861

Gibson, R. E.	Part Lot. No. 1, Con. VI., Tp. of Woodhouse, County Norfolk	A-9003
Hamelin, Emery and Eugenie	Part Lots 9 and 7, Reg. Plan M 29C, being part Lot 1, Con. III., Tp. Mountjoy, Dist. Cochrane	A-8512
Hardwick, Samuel	Westerly part Lot 25, L.R.W. Concession, Tp. Hay, Co. Huron (Planning and Development and Registry Act)	A-9088
Jeffrey, Clarence	Parcel 9293 (part Mining Location X867, Atikokan, Dist. Rainy River (Land Titles Act)	A-8447
Kolte & Co. Ltd. et al	Lot 18, Block 75 and part Railway Lot 11, Village of Port Dover	A-8313
Kay, Edwin, Ltd.	Part Lot 11, Con. VII. (Southern Section) Tp. Toronto Gore	A-8543
Kirkland Lake Gold Mining Co. Ltd.	Surface rights only of Pt. Mining Claims L-2771, 1643, 1850 and 1236, Tp. Teck, Dist. of Temiskaming	A-9075
Landed Banking Loan Co. (Hamilton)	Part Military Reserve, Tp. Niagara, Known as Part Lot 193 (Creek Road Subdivision)	A-8583
Middleton, Joseph E.	Part Lot 12, Con. XIII., North Monaghan County Peterborough	A-8438
Miller, Thos. H. et al	Part Plan M 138, L.T.A., Temiskaming (at Swastika), Tp. Teck, (Land Titles Act and Planning and Development Act) Part Mining Claim L-2654)	A-8821
McCutcheon, Wm.	Parcel "C" and north ½ Parcel "A", Reg. Plan S.M. 104, Town of Atikokan, Dist. Rainy River (part Mining Location 867X) (Land Titles Act)	A-8446
McDougall, Margaret E.	S. ¾ of W.½ Lot 5, Con. II., Tp. Garson, Dist. Sudbury (Planning and Development and Land Titles Act)	A-9108
Ottawa, City of	Block 4, Reg. Plan 1741674, Lots 82 and 90 and Part MacFarlane Ave. Reg. Plan 222, 291 (re-location of MacFarlane Ave.)	A-8353
Quance Bros. Ltd.	Lots 8, 26, 27, 28 and 29 Block 10, Plan 189, Village of Delhi, County Norfolk	A-9012
Richards, Mary and Thomas	Part Lot 1, Block 97, Town of Simcoe, County Norfolk	A-8408
Robinson, Arthur H. A. et al	Lots 1 to 12, Plan 9, Township North Monaghan	A-8542
Robinson, Arthur H. A. et al	Part Lots 9 to 12, all Lots 13 to 25, lane in rear thereof and Clara and Baker Streets, City of Peterborough (Reg. Plan 146)	A-8574
Richards, C. P.	Block "A" Reg. Plan No. 558, and Part Mill Reserve Lot Plan 250, Township London, County Middlesex	A-8927
Richards, H. E.	Part Block 28, Plan 189, Village of Delhi, County Norfolk	A-8951
Rome, G. A.	Part Lot 20, Con. V., Township Grantham, City of St. Catharines	A-9079
Smith, Wm. G. and Olive	Part Lots 24, 25 and 31, Block 18, Village of Delhi, County Norfolk (Registry Act and Planning and Development Acts)	A-8403
Steele, Chas. E.	Part Lot 1, Con. 1, Township Wainfleet, County Welland ("Cedar Crest")	A-8631
Smith, Sam	Lots 6-11 (inclusive) e/s Parliament St., Reg. Plan D-100, City of Toronto (redivision) Co. York	A-8632
Shankleman, Sophie	S.W.¼ of N.½ Lot 2, Con. III., Tp. of Tisdale, Dist. Cochrane (Planning and Development and Land Titles Acts)	A-8689

Tiny, Township of	Part Lots 15 and 16, Con. XIX and 15 and 16, Con. XX, Township Tiny, Co. Simcoe, (by Order of Judge)	A-8911
Unsworth, Albert	Part Lots 9 and 10, Con. I., Tp. East Flamboro	A-8723
Unger, Marjorie E. and Fred H.	Lots 11 to 18 and 55 to 61, Reg. Plan 376 and Lots 206 to 207 Reg. Plan 110A, Township of Brantford, County Brant	A-8754
Veillette, Jos.	South ½ Lot 12, Con. 2, Township Guiboro, Dist. of Cochrane (surface rights only)	A-8772
Wheeler, Wm. A. and D. M. Hughes	Block "B", Plan 686 and Blocks "B", "C" and "D" Plan 815, Part Lot 3, Con. 15, Township of Sunnidale, County Simcoe	A-8426
Women's Institute of Atikokan	East portion of Parcel "D" Reg. Plan S.M. 104, Atikokan, Dist. Rainy River (part Mining Location 867X) (Land Titles Act)	A-8445
Westdale Properties Ltd.	Part Lot 21, Con. II., Township Barton (now in City of Hamilton) (Parkside Vista)	A-8539
Ward & Telfer	Part Lot 2, Block 97, and Part Lot 12, Block 115, Town of Simcoe, County Norfolk	A-8699
Wales, Thory, Burns et al	Block A and resubdivision of part Lots 150 and 156 (both inclusive) Reg. Plan 210, Town of Leamington, County Essex (Planning and Development and Registry Acts)	A-8976
Walpole, Township of	Part Lots 15 and 16, Con. I., s., of Lake Shore Rd. Township Walpole, etc. (Registry Act) (by Order of County Judge)	A-9056

RESTRICTED AREAS—ESTABLISHMENT OF

(Section 406 of "The Municipal Act)

Municipality	By-law No.	Area Restricted	Procedure File
Cobourg, Town of	1628	Certain areas east side Church St. and both sides Green, College and Henry Streets (as amended by By-law No. 1635)	A-7615
Cornwall, Tp. of	1412	Establishing certain restricted districts or zones	A-8553
Etobicoke, Tp. of	6159	Area therein defined	A-8451
Forest Hill, Village of	1282	West side of Chippewa Street between Ridelle Avenue and Roselawn Avenue	A-8351
Galt, City of	3286	Regulating height etc., of buildings erected or altered on lands abutting on Main St. between Grand River and C.N.R. Right-of-way	A-8818
Malden, Tp. of	976	Restricting for residence purposes only area comprising Lots 1-42 (Plan 795) "Erie Beach" subdivision	A-8903
Niagara, Tp. of	--	Restricted Zone in Mississauga Beach	A-8826
North Dumfries, Tp. of	793	Prohibiting use of land or erection or use of buildings in certain areas in Township except as set out in By-law 793	A-8337
North York, Tp. of	2603	Part Registered Plan No. 1967 between easterly limit of Kenneth St. and easterly limit of said Plan	A-8449
Peterborough, City of	4034	Establishing restricted District and regulating the character of buildings to be erected thereon	A-9019
Port Arthur, City of	2326	Establishment of restricted Zones in the City	A-8091
Scarborough, Tp. of	2078	Establishment of residential district in certain designated sections of the Township	A-8359
Scarborough, Tp. of	2054	"	A-8144
Toronto, City of	15074	Land and buildings on either side of Chatsworth Drive	A-8243
Toronto, City of	15113	Land and buildings on either side of Clarendon Ave. between Avenue Rd. and Poplar Plains Rd.	A-8342
Toronto, City of	15150	Lands at north-west corner of Blythwood Rd. and Mount Pleasant Rd.	A-8486
Toronto, City of	15192	Land and buildings on either side of portions of Teddington Park Ave. and Glen Echo Rd.	A-8676

REPEAL OR AMENDMENT OF RESTRICTED AREAS

(Section 406 (2b) of "The Municipal Act")

Municipality	Amending By-law No.	Original By-law No.	Areas Affected	Procedure File
East York, Tp. of	2855	1243 (& amendments thereto)	Dividing the Township into Industrial, Business and Residential Areas	A-8097
East York, Tp. of	2360	1243 (& amendments thereto)	do.	A-8098
Forest Hill, Village of	1262	285 & 1254	Clarifying and amending By-law (entrance to garage of apartment house on Old Forest Hill Rd.)	A-8212
Forest Hill, Village of	1284	285	Permitting use of north 15' or south 43' of Lots 7, 8, and 9, Plan 1560 for driveway	A-8448
Gloucester, Tp. of	9-1939	11-1936	Amending building restrictions in Rideau Park subdivision	A-6372
Kitchener, City of	2695	1823, 1834 and 1835	Additions to "B—Light Industrial Districts" & "A—Heavy Industrial Districts" as described in By-laws	A-8926
Leaside, Town of	578 (as amended)	440	Parking facilities—Roman Catholic Church	A-8069
North York, Tp. of	2366	2126	Lands included in registered plan No. 1505	A-8063
North York, Tp. of	2625	1097 (as amended)	Erection of private school on Part Lots 12 & 13, First Concession West of Yonge Street	A-8535
Ottawa, City of	8684	5518	Use of land and erection or use of buildings in area defined in By-law	A-8280
Ottawa, City of	8742	6237	Use of land and erection or use of buildings in area defined in By-law	A-8637
Sarnia, Tp. of	10G	99-F	Amendment of Zoning By-law	A-7880
Scarborough, Tp. of	2067	2041	Amendment of Restricted Area By-law	A-8164
Scarborough, Tp. of	2089	2066	Consolidating By-law Nos. 2051 & 2065	A-8811
Stratford, City of	3720	2740	Omitting from description of lands in Clause 1 that portion thereof sold to H. J. Peters	A-8124

Toronto, City of	15023	13736	Erection of four detached houses on south side of Hillcrest Drive on lands having a lesser frontage than 48'	A-8021
Toronto, City of	15063	9495	Conversion of 128 Heath St. W. into two-family residence	A-8185
Toronto, City of	15064	12958	Erection of detached private dwelling houses on south side of Kimbark Blvd., closer to street line than 20'	A-8186
Toronto, City of	15065	11986	Use of 480 Palmerston Ave. as a dentist's office	A-8213
Toronto, City of	15091	12621	Erection of apartment house on south side of St. Clair Ave. west of Avenue Rd.	A-8281
Toronto, City of	15102	12604	Erection of apartment house at south-east corner of Avenue Rd. and Oxton Ave.	A-8317
Toronto, City of	15103	11474	Use of No. 1 Roxborough St. E. for rooming house purposes	A-8318
Toronto, City of	15116	12604	Erection of double duplex dwelling at southeast corner of Oriole Parkway and Chaplin Crescent	A-8362
Toronto, City of	15123	11474	Extension of girls' private school building at 14 Elm Avenue	A-8366
Toronto, City of	15122	12604	Erection of certain additions to Oriole Park School	A-8367
Toronto, City of	15121	11309	Use of 96 Tyndall Avenue as a three-family dwelling house	A-8368
Toronto, City of	15092	12604 & 14579	Erection of a detached duplex dwelling and garage at southeast corner of Oriole Parkway closer to street line than distance prescribed in By-law 14579	A-8411
Toronto, City of	15136	11287	Use of 144 Stibbard Ave. as physician's residence and office	A-8412
Toronto, City of	15146	11986	Conversion of 407 Palmerston Ave. into two-family dwelling house	A-8465
Toronto, City of	15162	12621	Conversion of 165 St. Clair Ave. West into three-family apartment house	A-8532
Toronto, City of	15179	9285	Conversion of 324 Spadina Rd. into three-family apartment house	A-8627
Toronto, City of	15183	9495	Erection of double duplex dwellings at No. 94 Heath Street W.	A-8628

Toronto, City of	15180	13148	Raising and sale of canaries and other birds at 632 Christie Street	A-8673
Toronto, City of	15187	10613	Conversion of 41 Glenrose Ave. into duplex dwelling house	A-8674
Toronto, City of	15191	8834	Construction of addition to store at 30 Avenue Rd.	A-8675
Toronto, City of	15189	11986	Conversion of 499 Palmerston Ave. into two-family dwelling house	A-8719
Toronto, City of	15152	9495	Erection of three single duplex dwellings at 103 Heath Street West	A-8749
Toronto, City of	15195	11309	Conversion of 95 Tyndall Ave. into a two-family dwelling house	A-8750
Toronto, City of	15196	11986	Use of 433 Palmerston Ave. as a two-family dwelling house	A-8751
Toronto, City of	15199	12621	Use of 185 St. Clair Ave. West by a medical practitioner	A-8773
Toronto, City of	15201	9411	Conversion of 102 Wells Hill Ave. into a duplex dwelling house	A-8774
Toronto, City of	15202	8880	Conversion of 192 Lowther Ave. and garage, each into a two-family dwelling house	A-8775
Toronto, City of	15218	11986	Conversion of 546 Palmerston Ave. into a two-family dwelling house with resident doctor's office	A-8912
Toronto, City of	15226	12604	Erection of thirteen apartment houses on east side of Avenue Rd. between Chaplin Crescent and College View Avenue	A-8915
Toronto, City of	15227	12958	Erection of house at south-west corner of Glenview Ave. and Mona Street, closer to street line than 20'	A-8916
Toronto, City of	15211	12958	Erection of private detached residence on portion of Lot 58, Plan M-346 east side of Avenue Rd., south of Hillhurst Blvd.	A-8954
Toronto, City of	15233	9533	Conversion of 38 St. Andrews Gardens into a two-family dwelling house	A-8969
Toronto, City of	15234	11986	Conversion of 469 Palmerston Ave. into a two-family dwelling house with doctors' offices	A-8970
Toronto, City of	15219	9411	Conversion of 124 Lyndhurst Ave. into two-family dwelling house	A-8913

Toronto, City of	15246	11986	Conversion of 402 Palmerston Avenue into two-family dwelling house	A-9008
Toronto, City of	15247	11986	Conversion of 408 Palmerston Ave. into two-family dwelling house with a resident doctor's office	A-9009
Toronto, City of	15249	12958	Residential restrictions on Glenview Ave. west of Coldstream Ave. and Mona St., between Glengrove and Glenview Avenue	A-9010
Toronto, City of	15251	11986	Conversion of No. 506 Palmerston Ave. into a three-family apartment house	A-9038
Toronto, City of	15254	11474	Conversion of 51 Rosedale Rd. into a two-family dwelling-house	A-9054
Toronto, City of	15265	11309	Conversion of 35 Tyndall Avenue into a two-family residence	A-9091
Trenton, Town of	1824 & 1891	1521	Use of land and erection of buildings within the area affected	A-8326 & A-8327

SECTION 16 OF "THE PUBLIC SCHOOLS ACT"
AMALGAMATION OF SCHOOL SECTIONS—
APPOINTMENT OF REFEREE

Municipality	By-Law No.	Sections Amalgamated	Procedure File
Adolphustown, Township of	410	Nos. 1, 2, and 3	A-8638-a
Alberton, Municipality of	176	All sections in Townships of Crozier and Reddick	A-8639-a
Alnwick, Tp. of	635	Sections 2 and 3 and Union School Sections 1 and 25 Alnwick and Haldimand Townships	A-8655-h
Binbrook, Tp. of	647	All school sections in the Township	A-8639-c
Blanshard, Tp. of	59	School Sections 1 and 3	A-8655-c
Brantford, Municipality of	2200	Public School Sections 8, 12, 13, 17 and 18	A-8498
Brudenell & Lyndoch, Tps. of	321	Nos. 1, 2, 4, 6 and 7	A-8639-d
Cameron, Tp. of	49	Nos. 1 Public (Burretts), No. 2 Public (Klock) and No. 3 Public (Jenvessus')	A-8879-a
Carden, Tp. of	473	Nos. 1, 2, 5 and 7	A-8655-a
Cardwell, Tp. of	309	Nos. 1, 2, 3, 4 and 5	A-8639-e
Carling, Municipality of	298	Nos. 2, 3, 4, 5 and 8	A-8470
Chaffey, Tp. of	674	No. 1, Chaffey, No. 3 Chaffey, No. 5 Chaffey, U6 Chaffey, and Stisted, No. 7 Chaffey, No. 8 Chaffey, No. 9 Chaffey and U10 Chaffey and Perry, the parts of Stisted Township contained in U6 Chaffey and Stisted and the parts of Perry Township contained in U10 Chaffey and Perry	A-8712
Chapman, Tp. of	4-1939	Nos. 2, 3, 4 and 6	A-8639-f
Christie, Tp. of	209	Nos. 1, 2, 3, 4, and 5	A-8460
Cockburn Island, Township of	190	Nos. 1 and 2	A-8638-c
Cumberland, Township of	1052	Nos. U2, 3, 4, 8 and 12	A-8655-b
Foley, Tp. of	427	Nos. 2, 3 and 4	A-8638-e
Franklin, Tp. of	125	Nos. 2, 3, 4, 6 and 6b, and Union S.S. No. 1 Sinclair and Franklin	A-8655-i
Hagerman, Tp. of	232	Nos. U1, 2, 3, U4 and 5	A-8655-e
Head, Clara & Maria, Tps. of	47	Nos. 1 and 2 Head, No. 3 Maria and No. 4 Clara	A-8870-b
Humphrey. Township of	587	Nos. 1, 2, 6 and 8 and Union S.S. No. 4 Humphrey and Conger	A-8471
Kennebec, Township of	10-1939	Nos. 2, 3, 4, 7, 8, 9, 10 and 11 of Tp. of Kennebec and U.S.S. No. 6 and 5 of Kennebec and Barrie	A-8614
Limerick, Tp. of	92	P.S.S. No. U1, U3 and U4	A-8655-f
Machar, Municipality of	439	P.S.S. No. 1 Machar, U 3 Machar and Lount No. 4 Machar, No. U5 Machar and Gurd, 6 Machar and 7 Machar	A-8417
Matchedash, Township of	326	S.S. No. 8 Union Matchedash and Tay and Nos. 4, 12 and 14	A-8577
Minden, Municipality of	635	P.S.S. Nos. 1, 2, 3, 4, 5, U8, 9 and U10	A-8655-g
Monck, Tp. of	716	Nos. 1, 2, 4, 6, and 7	A-8309
Muskoka, Tp. of	377	Nos. 2, 3, and 5 with the present School Area consisting of School Sections Nos. 1, 6 and 7	A-9080-a
McGregor, Tp. of	637	Nos. 1, 2, 3, 4, 5, 6, 7 and 8	A-8613

McLean, Tp. of	644	Nos. 1, 6, 7 and 8	A-8394
Nassagaweya, Township of	5	P.S.S. Nos. 1, 2, 3, 4, 7, 9 and 10	A-8606
Oakley, Tp. of	427	U.S.S. No. 4 Oakley, McLean, Macauley and Draper in the former Oakley Township School Sections Nos. 1, 2, and 3 Oakley	A-8655-k
Oro, Tp. of	600	Nos. 7, 8 and 17	A-8638-g
Otonabee, Municipality of	97	P.S.S. No. 2, 4, 7, 13 and 14	A-7737
Rolph, Buchanan & Wylie, Tps. of	11	Nos. 2 Buchanan, U3, 4A, 4B and 6 Rolph, and 7 Wylie	A-8591
Sandfield, Tp. of	58	Nos. 1, 2 and 4	A-8592
Sherwood, Jones & Burns, Tps. of	104	Nos. 1, 2, 5, 7, 8 and 16	A-8638-h
South Algona, Township of	26A	Nos. 2 and 4	A-8638-b
South Fredericksburg, Tp. of	511	Nos. 1, 2, 4, 5, 6, and 7	A-8605
Stanhope, Tp. of	584	Nos. 2, 3, 4 and 5	A-8655-j
Stephenson, Tp. of	756	Nos. 1, 5, 7 and 10	A-8737
Stisted, Tp. of	388	Nos. 2, U2, 3, 4, 5, 6, U6 and 7	A-8638-i
West Ferris, Tp. of	327	All school sections in the Township	A-9080-b
Whitney, Municipality of	222	All school sections in the Township of Whitney	A-8604
Wolford, Tp. of	488	Nos. 1, 4, 7, 8, 9, 11, 12, 13, 15, 17, 18 and 19	A-8639-g

SECTION 326 OF "THE MUNICIPAL ACT" APPROVAL OF INVESTMENT OF SINKING FUNDS

Municipality	Sinking Fund Investment By-Law	Purpose	Amount	Procedure File
Galt, City of	3263	Construction of Public Lavatories, Water Closets, etc.	$12,000	A-7806-a

SECTION 321 (b) OF "THE MUNICIPAL ACT" (ENACTED BY O.S. 1939 C. 30, S 18)

Municipality		Procedure File
Belleville, City of	Authority to dispense with further levies in regard to certain debts where the amounts in the sinking funds therefor, together with the estimated revenues therefrom, are sufficient to pay the principal of each such debt as it becomes due—By-laws Nos. 960, 2310, 1678, 1707, 1856, 2264, 1595, 1637, 1677 and 1871	A-8459

SECTION 315 (2) OF "THE MUNICIPAL ACT", APPROVAL OF FURTHER DEBT AND LEVIES TO BE MADE WHERE TAX RATE IS TOO HIGH. CAPITAL EXPENDITURE APPROVED PRIOR TO 1939.

Municipality	Purpose	Amount	Procedure File
Morrisburg, Village of	Sewer on Main Street West	$ 2,645.23	A-7145-a
Morrisburg, Village of	Sewer on Division Street	1,233.39	A-7145-b
Teck, Township of	Sidewalks on Main Street, McCamus Ave., McKelvie Ave., and First Street	5,000.00	A-7953
Timmins, Town of	Local Improvements	18,734.85	A-7705

"THE UNEMPLOYMENT RELIEF ACT, 1935"

APPROVAL OF WORKS UNDERTAKEN UNDER

(Capital Expenditures approved prior to 1939)

Municipality	By-Law No.	Purpose	Amount	Procedure File
Fort William, City of	3693	Construction of bridge over Neebing River	18,024.50	A-6785
Port Arthur, City of	2366	Construction of bridge over McIntyre River	16,000.00	A-6626

SECTION 408 (11) OF "THE MUNICIPAL ACT"
WEIGHING OF COAL OR COKE—APPROVAL OF BY-LAW FOR

Municipality		Procedure File
Hamilton, City of	Approval of By-law No. 5012 amending By-law No. 4586 to provide for the public weighing of coal or coke and defining the duties of the City Inspector	A-8344

SECTION 44 OF "THE MUNICIPAL ACT"—DIVISION OF CITY INTO WARDS

Municipality		Procedure File
Kingston, City of	Approval of By-law No. 41 (1938), re-division of existing seven wards of the City pursuant to Council's Resolution of Jan. 3rd, 1939	A.-8210

SECTION 307 (3) (f) OF "THE MUNICIPAL ACT"
WORKS ORDERED BY DOMINION RAILWAY BOARD

Municipality	Purpose	Procedure File
Fort William, City of	Portion of cost to be borne by the City—subway under tracks of Canadian Pacific Railway Company at James Street —$34,292.05	A-7386 & A-7640-a
Fort William, City of	Construction of subway under the tracks of Canadian Pacific Railway Company as shown on Plan (File No. 14566) on File with Board of Railway Commissioners for Canada	A-6835

ORDERS ISSUED BY THE BOARD RESPECTING PROVINCIAL RAILWAYS DURING 1939

	Procedure File
Fort William Street Railway—approval of increase in fares	A-8677
Toronto Transportation Commission—Appointment of John G. Inglis as Examiner of Motormen	A-8889
Toronto Transportation Commission—Approval of By-law prohibiting passengers from removing certain articles from its vehicles	A-8289

ORDERS ISSUED BY THE BOARD UNDER "THE TELEPHONE ACT"

Albemarle, Township of	Authority to W. H. Taylor (Gillies Telephone System) to use highways in Township	A-9018
Allenford Rural Tel. Co.	Approval of increased charges	A-8207
Austin, Allan Guy	Approval of sale to by David Stanley Austin of goodwill and assets of Murray Brighton Telephone Company	A-8259
Aylmer & Malahide Telephone Co. Ltd.	Approval of its By-laws Nos. 34 and 35	A-8222
Aylmer & Malahide Telephone Co. Ltd.	Approval of telephone tolls	A-8581
Assiginac Municipal Telephone System	Approval of telephone charges	A-8958
do.	Approval of transfer of certain plant and equipment to Manitoulin North Shore Telephone and Telegraph Company Ltd.	A-8804
Beaver Valley Municipal Telephone System	Approval of telephone charges	A-9099
Beeton Telephone Co. Ltd.	Approval of its By-laws Nos. 1-31 (inclusive)	A-8544
Bell Telephone Co. of Canada, Ltd.	Approval of sale to, by the Coulson-Jarratt Telephone Company, Ltd., of its entire assets	A-9042
Bell Telephone Co. of Canada, Ltd.	Approval of sale to, by the Dummer Municipal Telephone System of certain plant and equipment	A-8933
Bell Telephone Co. of Canada, Ltd.	Approval of sale to, by the Forest Home Telephone Company, Ltd., of its undertaking	A-8780
Bell Telephone Co. of Canada, Ltd.	Approval of purchase, by the Mornington Municipal Telephone System from, of certain plant and equipment	A-8701
Bell Telephone Co. of Canada, Ltd.	Approval of sale to, by the Rumney Settlement Telephone Company, Ltd., of its entire assets	A-9086
Bell Telephone Co. of Canada, Ltd.	Approval of sale to, by the St. Vincent Municipal Telephone System of certain plant and equipment	A-9077
Bell Telephone Co. of Canada, Ltd.	Approval of sale to, by the Sidney Telephone Company, Ltd., of its undertaking	A-8810
Bell Telephone Co. of Canada, Ltd.	Approval of sale to, by the Uptergrove Telephone Company, Ltd., of its undertaking	A-8739
Bell Telephone Co. of Canada, Ltd.	Approval of purchase by the Township of Wellesley from, of certain plant and equipment	A-8709
Bell Telephone Co. of Canada, Ltd.	Approval of purchase by the Township of Wellesley from, of certain plant and equipment	A-8745
Bethesda & Stouffville Telephone Co. Ltd.	Authority to expend a portion of depreciation Reserve upon new construction, extensions and additions to its system	A-8332
Byth, Village of	Appointment of William Bell as Commissioner for telephone system in place of John E. Ellis, deceased	A-8854
Brock, Township of	Approval By-law 354—Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-a
Bruce Municipal Telephone System	Approval of its By-law No. 1	A-8249
Byron Municipal Telephone System	Approval of agreement for interchange of service with Southwold and Dunwich Telephone Company, Ltd.	A-8777
Caradoc-Ekfrid Telephone Co. Ltd.	Approval of its By-law No. 2	A-8276
Cartwright, Tp. of	Approval By-law 702 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-b

Cauthers Telephone System	Approval of transfer of system to Everett Telephone Company Ltd.	A-8401
Chapleau Telephone System Limited	Approval of its By-law No. 6	A-8198
Chinguacousy Municipal Telephone System	Approval of telephone tolls	A-9111
Christie Municipal Telephone System	Approval of telephone charges	A-9007
Colchester North Municipal Telephone System	Approval of increase in annual charges to subscribers	A-8875
Coulson-Jarratt Telephone Co. Ltd.	Approval of sale of Company's assets etc., to Bell Telephone Co. of Canada and approval of its By-laws Nos. 11 and 12	A-9042
Cumberland Municipal Telephone System	Approval of increase in annual charge for telephone service	A-8312
Darlington, Tp. of	Approval By-law 1070—Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-c
M. L. Davis (Rankin Telephone Company)	Approval of increase in toll rates between Rankin and Pembroke	A-8275
Dummer Municipal Telephone System	Approval of sale of a portion of its plant and equipment to Bell Telephone Co. of Canada	A-8933
Dummer, Township of	Approval of appointment by the Council of Allen Taylor to act as Commissioner for telephone system in place of C. J. Darling	A-8955
Dummer Municipal Telephone System	Approval of telephone charges	A-9090
Eastnor, Township of	Approval of its By-law 367 granting use of highways to Gillies Telephone System	A-8377
Edgar, Athol Alexander	Approval of sale to by Callum McDermid of his partnership interest in "Martintown Telephones"	A-8231
East Whitby, Tp. of	Approval By-law 1236—Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-g
Ennismore Municipal Telephone System	Approval of telephone charges	A-8580
Erin, Township of	Approval of By-law No. 14-1939, providing for the issue of debentures to meet the cost of certain reconstruction etc., to Erin Municipal Telephone System	A-9132
Etobicoke, Township of	Approval By-law 6185—Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8929
Euphrasia Municipal Telephone System	Approval of telephone charges	A-8759
Everett Telephone Co. Ltd.	Approval of sale to of Cauthers Telephone System	A-8401
Forest Home Telephone Company, Ltd.	Approval of sale of its undertaking to Bell Telephone Company of Canada and approval of By-Laws 1 and 2	A-8780
Forestry Branch of Dept. of Lands & Forests	Approval of By-law No. 101 of the Township of Sherwood—use of highways to	A-8291
Gillies Telephone System	Approval of By-law No. 367 of Tp. of Eastnor granting use of highways to	A-8377
Gillies Telephone System	Approval of By-law No. 795 of Tp. of Albemarle granting use of highways to	A-9018
Goderich, Municipal Telephone System	Approval of its By-law No. 2	A-8518
Gosfield North Municipal Telephone System	Approval of telephone tolls	A-8711

Haldimand Municipal Telephone System	Approval of telephone charges	A-8513
Home Telephone Company Ltd.	Approval of its By-law No. 23	A-8197
Home Telephone Company Ltd.	Approval of sale of its undertaking to Woodbridge & Vaughan Telephone Company, Ltd.	A-8218
Howick Municipal Telephone System	Approval of date for holding of Annual Meeting	A-8343
Howland Municipal Telephone System	Approval of transfer of certain plant and equipment to Manitoulin and North Shore Telephone and Telegraph Company Ltd.	A-8803
Huron Municipal Telephone System	Approval of increase of $1.00 per annum in charge for service to subscribers and non-subscribers (renters).	A-8260
Ingersoll Telephone Company Ltd.	Authority to expend portion of depreciation reserve upon new construction etc.	A-8572
Kerns Municipal Telephone System	Approval of telephone charges	A-8978
King, Township of	Approval By-law 693 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-d
Lake St. Joseph Telephone Company Ltd.	Approval of its By-laws 1-5 (inclusive)	A-8869
Lanark & Carleton Counties Telephone Co. Ltd.	Authority to invest $5,400.04 of the monies set aside as Depreciation Reserve in the purchase of securities	A-8274
La Vallee Municipal Telephone System	Approval of telephone charges	A-8725
McDermid, Callum	Sale of partnership interest in "Martintown Telephones" to Athol Alexander Edgar	A-8231
McNab Telephone Company Ltd.	Approval of telephone tolls	A-8755
Manitoulin & North Shore Telephone & Telegraph Company Ltd.	Approval of agreement providing for transfer of certain plant and equipment from Township of Howland and of interchange of service between the said Company and the Howland Municipal Telephone System	A-8803
Manitoulin & North Shore Telephone & Telegraph Company Ltd.	Approval of agreement providing for transfer of certain plant and equipment from Township of Assiginack to the said Company and for interchange of service with Assiginack Municipal Telephone System	A-8804
Manvers Municipal Telephone System	Approval of charges for telephone service	A-8382
Manvers, Township of	Approval By-law 1155 — Use of highways to Woodbridge and Vaughan Telephone Co. Ltd.	A-8421-c
Markham, Township of	Approval Bylaw 1057 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-g
Markham, Village of	Approval By-law 637—Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-f
Martintown Telephones	Approval of sale to Athol Alexander Edgar by Callum McDermid of his partnership interest in the system	A-8231
Medonte, Municipal Telephone System	Approval of telephone charges	A-8381
Medora and Wood, Municipality of	Approval of appointment by the Council of C. J. McCully to act as Commissioner for the telephone system in place of Dr. R. E. Joyce	A-8771
Macdonald Municipal Telephone System	Approval of telephone charges	A-8520
Monck Municipal Telephone System	Approval of date for holding Annual Meeting	A-8336

Mornington Municipal Telephone System	Approval of purchase of certain plant and equipment from Bell Telephone Co. of Canada	A-8701
Murray Brighton Telephone Company	Approval of sale by David Stanley Austin to Allan Guy Austin of entire goodwill and assets	A-8259
Northern Telephone Company, Ltd.	Authority to expend portion of Depreciation Reserve upon new construction etc.	A-8311
Northern Telephone Company, Ltd.	Authority to issue additional shares of Capital Stock to an amount not exceeding $45,000.00	A-8868
North York, Tp. of	Approval By-law 2570 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-t
Pelee Island Municipal Telephone System	Authority to reduce the annual rate to subscribers from $12.00 to $10.00	A-8255
Pickering, Township of	Approval By-law 1518 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-h
Plummer Additional and Lefroy Municipal Telephone System	Approval of telephone charges	A-8760
Point Mara Telephone Company Ltd.	Approval of Its By-laws Nos. 28, 29 and 30	A-8292
Rankin Telephone Company	Approval of an increase in the toll rates between Rankin and Pembroke	A-8275
Reach, Township of	Approval By-law 1609—Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-i
Rumney Settlement Telephone Co. Ltd.	Sale of entire assets etc., to Bell Telephone Company of Canada and approval of its By-laws Nos. 2 and 3	A-9086
Scarborough, Tp. of	Approval By-law 2087 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8600
Schreiber, Township of	Approval of its By-law granting right to use highways to Thunder Bay Telephone Co. Ltd., (J. S. Stauffer, H. A. Coon and E. Cooper)	A-8932
St. Vincent Municipal Telephone System	Sale of certain plant and equipment to the Bell Telephone Co. of Canada	A-9077
Scarborough, Tp. of	Approval of its By-law No. 2088—right to use highways to Scarborough Independent Telephone Co. Ltd.	A-8622
Sherwood, Township of	Approval of its By-Law No. 101—right to use highways to Forestry Branch of Department of Lands and Forests	A-8291
Scott, Township of	Approval By-Law 102—Use of highhways to Woodbridge and Vauaghan Telephone Co. Ltd.	A-8421-j
Scugog, Township of	Approval By-law 1043 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-k
Sherwood, Jones & Burns Municipal Telephone System	Approval of telephone charges	A-8519
Sidney Telephone Company Ltd.	Approval of sale of to Bell Telephone Co. of Canada and of its By-law Number 1.	A-8810
Sioux Lookout Telephone Company Ltd.	Approval of its By-law No. 31	A-9097
Slate River Municipal Telephone System	Appproval of telephone charges	A-8766
South Elderslie Telephone Company Ltd.	Approval of tolls	A-8225
Southern Ontario Telephone Company Ltd.	Approval of its By-law No. 3	A-8195
Southern Ontario Telephone Company Ltd.	Approval of the investment of certain Depreciation Reserve Funds in interest bearing securities and upon new construction etc., to system	A-8587

Southwold & Dunwich Telephone Co. Ltd.	Approval of agreement for interchange of service with Byron Telephone Co. Ltd.	A-8777
Thunder Bay Telephone Co. Ltd. (S. Stauffer, H. A. Coon and E. Cooper)	Approval of By-law of Tp. of Schreiber	A-8932
Toronto Gore, Tp. of	Approval By-law 619 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-l
Tuckersmith Municipal Telephone System	Approval of telephone charges	A-8860
Uptergrove Telephone Company Ltd.	Approval of sale of undertaking to Bell Telephone Co. Ltd. and approval of its By-laws Numbers 30 and 31	A-8739
Uxbridge, Town of	Approval By-law 956—Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-m
Uxbridge, Tp. of	Approval By-law 1123—Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-n
Vaughan, Township of	Approval By-law 1464—Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-o
Welland County Telephone Co. Ltd.	Approval of its By-law No. 7	A-8199
Wellesley, Township of	Approval of purchase from the Bell Telephone Co. of Canada of certain plant and equipment	A-8709
Wellesley, Township of	Approval of purchase from the Bell Telephone Co. of Canada of certain plant and equipment	A-8745
Whitby, Township of	Approval By-law 1373 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-p
Whitechurch, Tp. of	Approval By-law 1124 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-r
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of its By-law No. 9	A-8196
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of sale by the Home Telephone Company, Ltd. of its entire undertaking, to	A-8218
Woodbridge & Vaughan Telephone Co. Ltd.	Authority to expend a portion of its Depreciation Reserve upon new construction etc.	A-8416
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 854, Tp. of Brock—granting use of highways to	A-8421-a
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 702—Tp. of Cartwright, granting use of highways to	A-8421-b
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1070—Tp. of Darlington, granting use of highways to	A-8421-c
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 693 — Tp. of King, granting use of highways to	A-8421-d
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1155—Tp. of Manvers, granting use of highways to	A-8421-e
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 637—Village of Markham, granting use of highways to	A-8421-f
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1057—Tp. of Markham, granting use of highways to	A-8421-g
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1518—Tp. of Pickering, granting use of highways to	A-8421-h
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1609—Tp. of Reach, granting use of highways to	A-8421-i
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 102 — Tp. of Scott, granting use of highways to	A-8421-j
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1043—Tp. of Scugog, granting use of highways to	A-8421-k
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 619—Tp. of Toronto Gore, granting use of highways to	A-8421-l

Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 956 — Town of Uxbridge, granting use of highways to	A-8421-m
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1123—Tp. of Uxbridge, granting use of highways to	A-8421-n
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1464—Tp. of Vaughan, granting use of highways to	A-8421-o
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1373 — Township of Whitby, granting use of highways to	A-8421-p
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1236—Tp. of East Whitby, granting use of highways to	A-8421-q
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 1124—Tp. of Whitechurch, granting use of highways to	A-8421-r
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 700—Village of Woodbridge, granting use of highways to	A-8421-s
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 2570—Tp. of North York, granting use of highways to	A-8421-t
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 2087 — Tp. of Scarborough, granting use of highways to	A-8600
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of its By-laws Nos. 10 and 11	A-8907
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of By-law No. 6185—Tp. of Etobicoke, granting use of highways to	A-8929
Woodbridge & Vaughan Telephone Co. Ltd.	Approval of the issue of 6,488 shares of capital stock (par value $25.00 each)	A-9148
Woodbridge, Town of	Approval By-law 700 — Use of highways to Woodbridge & Vaughan Telephone Co. Ltd.	A-8421-s

TRAFFIC AGREEMENTS

(Unless otherwise stated Agreements are with Bell Telephone Company of Canada Limited)

	Procedure File
Brechin Telephone System (R. R. Robertson, Proprietor)	A-8957
Brudenell and Lyndoch Municipal Telephone System and Rankin Telephone Company	A-8395-d
Coe Hill Rural Telephone System	A-8360-a
Cormac and Eganville Telephone Co. Ltd. and Rankin Telephone Co.	A-8395-e
Davis, M. L. (operating under name of Rankin Telephone Co.)	A-8307
Dunsford Telephone Light & Power Co-operative Association Ltd.	A-9074-a
Dysart Municipal Telephone System	A-8549
East Middlesex Telephone Co. Ltd.	A-9076
Hagarty Municipal Telephone System and Rankin Telephone Co.	A-8395-b
Harrietsville Telephone Association, Ltd.	A-8227
Lake of Bays and Haliburton Telephone Co. Ltd.	A-8360-b
Leeds and Frontenac Rural Telephone Co. Ltd.	A-8573
Medora and Wood Municipal Telephone System	A-8238-a
Monck Municipal Telephone System	A-8238-c
North Algona Municipal Telephone System and Rankin Telephone Co.	A-8395-a
Peoples Telegraph and Telephone Co. Ltd.	A-8792
Raglan Municipal Telephone System and Rankin Telephone Co.	A-8395-c
Rankin Telephone Company (M. L. Davis, Proprietor)	A-8307
Rankin Telephone Company and North Algona Municipal Telephone System	A-8395-a
Rankin Telephone Company and Hagarty Municipal Telephone System	A-8395-b
Rankin Telephone Company and Raglan Municipal Telephone System	A-8395-c
Rankin Telephone Company and Brudenell and Lyndoch Municipal Telephone System	A-8395-d
Rankin Telephone Company & Cormac and Eganville Telephone Co. Ltd.	A-8395-e
Rankin Telephone Company and Sherwood Municipal Telephone System	A-8490
Sherwood Municipal Telephone System and Rankin Telephone Company	A-8490
South Crosby Rural Telephone Company Ltd.	A-8306
Southwold and Dunwich Telephone Association Ltd.	A-9110
Tiny Municipal Telephone System	A-8360-c
Watt Municipal Telephone System	A-8238-b
West Garafraxa Telephone Co-operative Association Ltd.	A-9074-b

SERVICE STATION AGREEMENTS

Aylmer and Malahide Telephone Company Limited	A-8690
Balaclava Telephone Co. Ltd.	A-8393-a
Ben Allan Telephone Co. Ltd.	A-8393-b
Bognor Telephone Company Limited	A-8393-c
Centre Road Telephone Company Limited	A-8393-d
Chinguacousy Municipal Telephone System	A-8946
Derby Telephone Company Limited	A-8393-e
Dingwall Telephone Company Limited	A-8521
Fifth Line Telephone Company Limited	A-8393-f
Glen Eden Telephone Company Limited	A-8393-g
Grunwald Telephone Line	A-8436-a
Hoath Head and Grey Telephone Company Limited	A-8393-h
Hydro Electric Power Commission of Ontario	A-8205
Hydro Electric Power Commission of Ontario	A-8331
Ingleside Telephone Company Limited	A-8548-a
Jackson Telephone Company Limited	A-8393-i
Kemble-Sarawak Telephone Company Limited	A-8393-j
Laurel Telephone System	A-8702
Leith and Annan Telephone Company Limited	A-8393-k
Maple Leaf Telephone Company Limited	A-8393-l
Muskoka and Parry Sound Telephone Company Limited	A-8436-b
North Norwich Municipal Telephone System	A-8654
Penhurst Telephone Company Limited	A-8551
Perry Telephone System (Maud A. Perry, Proprietress)	A-8552
Pleasant View Telephone Company Limited	A-8393-m
Ravenscliffe Telephone Company Limited	A-8436-c
Rocktown Telephone Company Limited	A-8437
Silcote Telephone Company Limited	A-8393-n
South Diagonal Telephone Company Limited	A-8393-o
Springcreek Telephone Company Limited	A-8548-b
Sydenham Union Telephone Company Limited	A-8393-p
Udney Telephone Company Limited	A-9006
Woodford Telephone Company Limited	A-8393-q

THE FOLLOWING GIVES A BRIEF SUMMARY OF THE EXTENSIONS AND IMPROVEMENTS MADE TO THE RAILWAYS UNDER PROVINCIAL JURISDICTION DURING THE YEAR 1939

CORNWALL STREET RAILWAY LIGHT AND POWER COMPANY, LIMITED

This Company reports an extension of 300' to its track and also reports an expenditure of $33,287.26 upon additions to railway, equipment, land and buildings and other permanent property during the year 1939.

FORT WILLIAM ELECTRIC RAILWAY

During the year ending December 31st, 1939, this company reports no extensions to its tracks.

They also report no expenditure upon track improvements, rolling stock, buildings, etc., during the same period.

GUELPH RAILWAY COMMISSION

During the year 1939, the Corporation of the City of Guelph acquired the undertaking of the Guelph Radial Railway operated by the Hydro Electric Power Commission of Ontario and the use of all tracks has been discontinued and operations are now carried on with automotive buses.

HAMILTON STREET RAILWAY

This company reports no extensions to track during the year 1939.

An expenditure of $65,171.08 is reported on additions to building and machinery and on the purchase of three additional busses.

HUNTSVILLE AND LAKE OF BAYS RAILWAY

During the year 1939, this company reports no extensions to its track or expenditure on improvements etc., to track equipment, land and buildings.

INTERNATIONAL TRANSIT COMPANY

This company reports no extensions to track during the year 1939.

They report however, an expenditure of $3,270.00 on Ferry Dock buildings and equipment.

KITCHENER-WATERLOO AND KITCHENER-BRIDGEPORT RAILWAYS

This company made no extensions to track during the year 1939.

They also report no expenditure on improvements, etc., to track, equipment, land and buildings.

LONDON STREET RAILWAY

No extensions to track were made by this company during the year 1939.

They report however, an expenditure on buses and bus equipment and on additional land, of $45,145.97.

MATTAGAMI RAILWAY

This company reports no extensions to track or expenditure on equipment etc., during the year 1939.

MOUNT McKAY AND KAKABEKA FALLS RAILWAY COMPANY

This company reports no extensions to track or expenditure on equipment etc., during the year 1939.

NIAGARA PENINSULAR RAILWAY

This company reports no extensions to track or expenditure on equipment etc., during the year 1939.

PORT ARTHUR CIVIC RAILWAY

This company reports no extensions of track or expenditure on equipment etc., during the year 1939.

SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY

This Company reports no extensions to track during the year 1939.

They report however, an expenditure of $191,805.10 on the purchase of 31 buses, 1 truck and 1 Chevrolet Coach.

SUDBURY-COPPER CLIFF SUBURBAN ELECTRIC RAILWAY

This Company reports no extension of track during the year 1939, and also no expenditure upon railway, equipment, land and buildings or other permanent property.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY

This railway reports no extension of track during the year 1939.

They however, report an expenditure of $362,176.50 upon track improvements, overhead structure, rolling stock, buildings, machinery, etc., during the same period.

THURLOW RAILWAY

The Canada Cement Company, Montreal, report that during the year 1939 no extensions were made to the track of the above railway and no expenditures made on improvements, etc.

TILLSON SPUR LINE RAILWAY

This Company reports no extensions of track or expenditure upon improvements, etc., during the year 1939.

TORONTO TRANSPORTATION COMMISSION

The Commission report that during the year 1939 they made no track extensions.

It is also reported that during the same period they made an expenditure on improvements to equipment and property of $3,391,794.27.

NORTH YONGE RAILWAYS AND TP. OF YORK AND WESTON RAILWAYS

The Toronto Transportation Commission which operates these railways reports that during the year 1939 no extensions were made to track and also report no expenditures on improvements to equipment, property, etc.

TORONTO, 1939

Summary of all Accidents on lines of the Toronto Transportation Commission
From January 1st to December 31st, 1939

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Collisions with Cars	2	1	1	2	1	2	1	Nil	1	1	1	1	14
Collisions with Autos	570	665	303	291	260	278	217	228	258	300	293	315	3978
Collisions with Motorcycles and Bicycles	6	8	5	4	10	13	10	12	11	11	12	8	110
Collisions with Wagons	14	11	6	5	7	5	5	4	6	5	7	4	79
Boarding Cars	15	20	30	22	13	23	15	11	15	13	11	22	210
Alighting from Cars	53	95	24	35	27	26	26	30	15	24	30	27	412
Falling within Cars	60	60	28	51	31	31	24	15	22	25	31	36	414
Miscellaneous	46	85	40	40	40	51	31	45	40	45	21	38	522
Total	766	945	437	450	389	429	329	345	368	424	406	451	5739
Personal Injuries:													
To Passengers	93	160	64	75	67	78	60	57	49	46	49	71	869
To Others	25	24	14	18	13	20	15	17	21	22	21	22	231
Total	118	184	78	93	80	98	75	74	70	68	70	93	1100
Fatal Accidents:													
To Passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To Others	1	Nil	2	Nil	Nil	Nil	Nil	1	1	1	1	2	9
Total	1	Nil	2	Nil	Nil	Nil	Nil	1	1	1	1	2	9

HAMILTON, 1939

Summary of Accidents on the Hamilton Street Railway
From January 1st to December 31st, 1939

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Collisions with Cars	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Collisions with Autos	50	73	34	31	25	23	17	15	26	35	32	41	402
Collisions with Motorcycles and Bicycles	Nil	1	1	Nil	Nil	Nil	Nil	1	1	1	1	1	7
Collisions with Wagons	2	1	1	1	Nil	Nil	Nil	Nil	1	1	1	Nil	8
Boarding Cars	1	Nil	3	2	1	2	1	1	1	1	1	1	15
Alighting from Cars	Nil	Nil	2	1	1	1	1	1	1	Nil	1	2	11
Miscellaneous	1	1	1	1	1	1	1	1	1	1	1	1	12
Total	54	76	42	36	28	27	20	19	31	39	37	46	455
Personal Injuries:													
To Passengers	1	1	2	1	Nil	2	1	1	2	1	1	1	14
To Others	1	1	2	1	1	2	2	1	1	1	Nil	1	14
Total	2	2	4	2	1	4	3	2	3	2	1	2	28
Fatal Accidents:													
To Passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To Others	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

LONDON, 1939

Summary of Accidents on the London Street Railway
From January 1st to December 31st, 1939

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Collisions with Cars	Nil	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1
Collisions with Autos	33	34	26	20	20	20	10	16	25	20	25	30	279
Collisions with Motorcycles and Bicycles	Nil	1	1	Nil	1	Nil	Nil	Nil	1	1	1	1	7
Collisions with Wagons	1	1	1	Nil	Nil	1	1	Nil	1	1	1	Nil	8
Boarding Cars	2	3	4	1	1	1	1	1	Nil	1	1	2	18
Alighting from Cars	2	2	4	1	Nil	2	2	1	1	2	1	2	20
Miscellaneous	3	6	3	1	1	5	2	2	2	Nil	2	4	31
Total	41	48	39	23	23	29	16	20	30	25	31	39	364
Personal Injuries:													
To Passengers	2	3	6	1	2	3	1	2	1	1	4	6	32
To Others	2	2	2	1	2	1	3	2	1	1	1	4	22
Total	4	5	8	2	4	4	4	4	2	2	5	10	54
Fatal Accidents:													
To Passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To Others	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1
Total	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1

TABULATED SUMMARY OF ACCIDENTS REPORTED IN 1939

Passengers		Employees		Travellers on Highways		Total	
Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
nil	1141	nil	44	11	308	11	1493

INDEX TO RAILWAY LEGISLATION

The following Index has been made with the object of continuing in chronological order all the legislation passed by the Dominion and Provincial Governments since 1867, affecting railways situated wholly or partially within the Province of Ontario.

"List No. 2" was commenced on page 272 of our Ninth Annual Report (1914) and is continued on page 146 of our Twenty-eighth Annual Report (1933), page 152 of the Twenty-ninth Annual Report (1934), page 51 of the Thirtieth Annual Report, page 56 of the Thirty-first Annual Report, page 62 of the Thirty-second Annual Report and page 181 of the Thirty-third Annual Report and in the following list up to and inclusive of 1939:

TORONTO TERMINAL RAILWAY COMPANY AND CANADIAN NATIONAL RAILWAY AND ONTARIO AND QUEBEC RAILWAY

Conveyances ratified and confirmed
Dominion Statute 25 1939

CORPORATIONS TAX

Regulations re railways
Ontario Statute, 1939 C. 10, Sections 1, 5, 10, 11, 12, 14 and 44

GUELPH RAILWAY

Act respecting,
Ontario Statutes, 1939 C. 18

SANDWICH, WINDSOR & AMHERSTBURG RAILWAY

Act respecting,
Ontario Statute, 1939 C. 43

SOUTHERN ALGOMA RAILWAY

Act respecting,
Ontario Statute, 1939 C. 46

WINDSOR, ESSEX AND LAKE SHORE RAILWAY

Sections 1, 2 and 3, Ontario Statute 1933
C. 111 — effect of
Ontario Statute, 1939 C. 47, s. 34

FORMS THAT MAY BE USED IN CONNECTION WITH THE EXAMINATION OF MOTORMEN

Name of City or Town

....19

NAME OF RAILWAY

This is to certify that, acting under "The Railway Act, 1927," R.S.O., Chapter 224, Section 265, I have fully examined the .... who is .... years of age and .... feet .... inches high, weighs .... lbs., complexion ... ... , as to his fitness as a motorman, that the said ... . is of steady habits, and is in physical ability, intelligence and general knowledge of, and experience in, this work, qualified to act as motorman on any electric car of said Company.

I have been duly appointed an examiner under the said Act, my appointment being dated ....

Name ....
Examiner

FORM TO BE USED BY COMPANIES IN REPORTING ACCIDENTS

ACCIDENTS: Regulations under and in pursuance of Sections 275 and 276 of "The Railway Act, 1927," R.S.O., Chapter 224.

ACCIDENTS—Every company upon the happening of an accident shall give to the Ontario Railway and Municipal Board notice thereof in writing by delivering the same at the office of the Board in the City of Toronto or by mailing it, postage prepaid, in a registered letter and addressed to the Board.

Such notice shall contain a statement signed by duly authorized officer of such company setting forth the information and particulars hereinafter mentioned.

Such statement shall be divided into paragraphs, each of which shall include and refer to one (or one group) only of the numbered particulars hereinafter mentioned, and the paragraph referring to each respective numbered particular shall bear the number corresponding to the number hereinafter given for each such particular.

The numbers of paragraphs and the particulars to which each shall refer as aforesaid are as follows:

1. Name or names of company or companies concerned in accident.
2. Numbers of train, engine, car or motor.
3. Date and time of accident.
4. Nature of accident.
5. Exact location.
6. Name in full, address and legal addition of each person injured or killed.
7. Age.
8. Married or single.
9. Passenger, employee or other.
10. If employee, length and nature of service with dates and periods of different occupations (if more than one).
11. If employee, character, experience, skill and fitness with respect to occupation at time of accident.
12. How engaged at time of accident and how long on duty.
13. Cause of accident, how same occurred, with full particulars and details, and diagram, if required.
14. Persons in charge, with full names, addresses and the particulars referred to in paragraphs 10, 11 and 12.
15. Result to person and particulars of injury.
16. Result to property, including amount of damage.
17. Names and addresses of all persons present at, or eye witnesses of, the accident.
18. What investigation (if any), and result of same.
19. Verdict (if any).

The Board reserves the right to require such further and other details, particulars, maps, plans, profiles, documents, models and information or illustration of any kind as to the nature of the accident and a full understanding thereof may suggest or require.

In pursuance of Section 275 and 276 of said Act, the Board declares that all such information so given in pursuance of this regulation shall be privileged.

Signature of Officer.

N.B.—Give name of officer who fills out this report.

REGULATIONS

REGULATIONS AS TO HEIGHT OF CAR STEPS

Under and in pursuance of a certain order of the Board bearing date the 2nd day of June, A.D., 1909, the Ontario Railway and Municipal Board made the following regulations:

The steps on all cars hereafter constructed and used by The Toronto Railway Company and all other street and electric railways under the jurisdiction of this Board shall have steps conforming to the following regulations.

On closed single truck cars the height of the first step above the ground shall not be less than twelve nor more than fifteen inches.

On closed double truck cars the height of the first step above the ground shall not be less than fourteen nor more than sixteen inches.

On open single truck cars the height of the first step above the ground shall not be less than twelve nor more than fifteen inches, and the distance between the first and second steps and the second step and the floor of the car shall measure twelve inches and nine inches respectively.

On open double truck cars, the height of the first step above the ground shall not be less than fourteen nor more than sixteen inches, and the distance between the first and second steps and the second step and the floor of the car shall measure twelve inches and fourteen inches respectively.

REGULATION RE DRINKING WATER ON PASSENGER CARS

Every Electric Railway in Ontario, subject to the jurisdiction of the Board, shall provide in each passenger car which runs 20 miles or more, a suitable receptacle for water with paper cups attached upon or near such receptacle, and shall keep such receptacle, while the car is in use, constantly supplied with cool drinking water for the use of passengers and the conductor and motorman in charge of such car.

This regulation shall not apply to street railways in towns or cities.

Dated at Toronto, this 10th day of April, A.D. 1928.

ELECTRIC AND STEAM RAILWAYS UNDER PROVINCIAL JURISDICTION, YEAR ENDING DECEMBER 31st, 1939

No	Name of Railway	Length of road first main track	Length of road second main track	Total main track	Length of sidings and turnouts	Total computed as single track	Length under construction	No. of Power Houses		Remarks
								Steam	Water	
1	Cornwall Street Railway Light & Power Co. Ltd.	5.50	....	5.50	3.00	8.50	.300	....	....	Power purchased from St. Lawrence Power Co. Ltd. and supplied to Town of Cornwall stone crusher.
2	Fort William Electric Railway	20.496	....	....	....	20.496	....	....	....	Power purchased from Hydro Electric Commission of Fort William and supplied to Canadian National Rys.
3	Guelph Transportation Comm.	Use of tracks has been discontinued and operations now carried on with automotive busses.								
4	Hamilton Street Railway	40.17	....	40.17	2.63	42.80	....	....	1	Power purchased from Hamilton Hydro Elec. Commission and also generated.
5	Huntsville & Lake of Bays Ry.	1.45	....	1.75	.31	1.75	....	....	....	Steam Railway.
6	International Transit Co.	3.80	1.17	4.97	.09	5.06	....	....	....	Power purchased from Great Lakes Power Co. Ltd.
7	Kitchener-Waterloo & Kitchener-Bridgeport Railways	6.55	2.86	9.41	.94	10.35	....	....	1	Power purchased from Public Utilities Commission of Kitchener.
8	London Street Railway	6.416	3.037	9.454	.504	9.959	....	....	....	Power purchased from Hydro Electric Power Commission of Ontario.
9	Mattagami Railway	3.000	....	3.000	3.947	6.947	....	....	....	Steam Railway.
10	Mount McKay & Kakabeka Falls Railway	2.50	....	....	....	2.50	....	....	....	Leased to and operated by City of Fort William.
11	Niagara Peninsular Railway	3.325	....	3.325	2.115	5.440	....	....	....	Operated by Canada Cement Co. Ltd.
12	Port Arthur Civic Railway	13.43	6.10	19.53	1.04	20.57	....	....	....	Power purchased from Port Arthur Utilities Commission.
13	Sandwich Windsor & Amherstburg Railway	Street car operations discontinued May 7th, 1939. Service now carried on with busses.								
14	Sudbury-Copper Cliff Suburban Electric Railway	7.9	....	....	.30	8.2	....	....	....	Power purchased from Hydro Electric Power Commission of Ontario.

15	Temiskaming & Northern Ontario Railway	514.0	......	......	134.5	648.5	......	1	......	Power purchased from Public Utilities Commission of Town of Cochrane, Hydro Electric Power Commission of Ontario, Northern Ontario Power Co. Ltd., and Abitibi Power & Paper Co. Ltd.
16	Thurlow Railway	2.671	......	2.671	4.666	7.337	......	......	......	Operated by Canada Cement Co. Ltd.
17	Tillson Spur Line Railway	1.010	......	1.010	.051	1.061	......	......	......	All rolling stock owned and operated by Canadian National Railway.
18	Toronto Transportation Commission	111.707	103.036	214.743	29.969	244.712	......	......	......	Hydro Electric Power Commission of Ontario and Toronto Hydro Electric System and sold to Township of York and Weston Railways.
19	" Twps. of York & Weston Railways	8.063	6.002	14.065	.148	14.213	......	......	......	Power purchased from Toronto Transportation Commission.
20	" North Yonge Railways	10.247	......	10.247	1.301	11.548	......	......	......	Power purchased from North York Hydro Electric System.

ANALYSIS OF GROSS EARNINGS AND MISCELLANEOUS INCOME FOR YEAR ENDING DECEMBER 31ST, 1939

Name of Railway	From Passengers	From Mail	From Express Parcels and Newspapers	From Freight	From Rental of Tracks, Buildings, and Other Property	From Advertising	From other Miscellaneous sources	Total
Cornwall Street Railway	$ 57,764.30			$ 73,639.96	$ 750.00	$ 525.96	$ 854.10	$ 133,534.32
Fort William Electric Railway	122,602.33	$ 850.00			8.00	818.72	497.25	124,776.30
Hamilton Street Railway	1,036,313.63			5,127.99	402.50	4,462.65	669.00	1,047,025.77
Guelph Railway Commission	59,960.64		3,977.91	133.38			427.56	64,499.49
Huntsville & Lake of Bays Railway	750.30	35.00		709.33				1,494.63
International Transit	45,846.55	400.00					444.89	46,691.44
Kitchener Street Railway	94,359.20	4,536.66	20.20		942.50	1,155.54	2,114.05	103,128.15
London Street Railway	488,378.57	3,180.00			377.51	2,607.51	2,918.22	497,461.81
Mattagami Railway	832.67	1,200.00	821.44	25,153.62			11,376.00	39,383.73
Mount McKay & Kakabeka Falls Ry.					1,500.00		866.10	2,366.10
Niagara Peninsular Railway				9,387.50				9,387.50
Port Arthur Civic Railway	131,404.04					763.96	524.25	132,692.25
Sandwich Windsor & Amherstburg Ry.	68,604.47				95.00	249.13	† 582,908.82	651,860.15
Southern Algoma Railway	In process of organization.							
Sudbury-Copper Cliff Suburban Ry.	70,015.40		53.25		240.00	250.00	249.56	70,808.21
Thurlow Railway				11,765.00				11,765.00
Tillson Spur Line Railway	All rolling stock owned and operated by Canadian National Railway.							
Toronto Transportation Commission	10,725,871.56		23,354.71		76,726.21	65,877.69	180,763.38	11,072,593.55
" " " Tp. York & Weston Ry.	215,214.84					584.24	2,194.26	217,993.34
" " " N. Yonge Railways	70,971.80				1,389.90	256.26	324.24	72,942.20

† Includes $582,906.09 Revenue from Bus operation.

TABULATION OF CAR MILES RUN, PASSENGERS CARRIED, ACCIDENTS, ETC., FOR YEAR ENDING DECEMBER 31ST, 1939

Name of Railway	Length of track owned miles	Length of switches & sidings miles	Passenger car miles run	Passengers carried	Passenger carried per mile of main track operated	Accidents		No. of Men Employed	Passenger Cars			Miscellaneous									
						Killed	Injured		Enclosed Cars	Open Cars	Trailers	Baggage and Mail	Cattle & Box	Platform	Coal & Dump	Tool	Snow Sweepers	Snow Plows	Loading Cranes	Locomotives	Busses and Trucks
Cornwall Street Railway	5.50	3.00	395,207	1,347,735	245,042		3	48	18								3	2		3	
Fort William Electric Railway	(a) 22.996		660,823	2,009,928	87,388		2	67	15		4						1	2			
Guelph Railway Commission	†	†	†	1,094,281			2														10
Hamilton Street Railway	40.17	2.63	3,960,043	15,564,824			137		72								4				45
Huntsville & Lake of Bays Railway	1.438	.312		5,037	5,037			3	3			2		3					1		
International Transit	4.97	.09	213,035	921,832	242,587			18	8								1				
Kitchener Street Railway	9.41	.94	317,954	2,356,390	250,413		8	Not	repo	rted											
London Street Railway	9.454	.504	2,479,974	8,908,552		2	72	187	18								2				47
Mattagami Railway	3.000	3.947	3,756	6,551	1,850			10	1			1		1				1	1	2	
Mount McKay & Kakabeka Falls Ry	2.50	Line oper	ated by City	of Fort Will	iam under l	ease.															
Niagara Peninsular Railway	3.325	2.115						4						1	61					2	
Port Arthur Civic Railway	19.53	1.04	605,422	2,100,940			1	5	No	t re	port	ed									
Sandwich, Windsor & Amherstburg Ry	†	†	2,843,501	8,328,405		1	73	207								3		1			73
Southern Algoma Railway	In proces	s of organi	zation.																		
Sudbury-Copper Cliff Suburban Ry	7.9	1.600	98,000	1,025,810	129,550			21	8									1			
Thurlow Railway	2.671	4.600						6						2	37					3	
Tillson Spur Line Railway	1.010	.051	All rolling st	ock owned a	nd operated	by C	anadi	an N	atio	nal	Rail	way									
Toronto Transportation Commission	214.703	28.913	28,285,877	15,977,538		10	272	3172	790		135			40			28	11	2		292
" " Twp. York & Weston Ry	14.065	.148	596,732	4,402,723		1	5	Rail	way	oper	ated	by	T.T.	C. e	mpl	oyee	s & r	ollin	g sto	ck.	
" " North Yonge Railway	10.217	1.301	255,059	870,976				"	"	"	"	"	"	"	"	"	"	"	"	"	

†—Use of tracks discontinued and operations now carried on with busses.

(a)—Includes 2.50 miles of leased line.

TABULATION OF COMPARISON WITH PREVIOUS YEARS AS TO CAR MILES RUN, PASSENGERS CARRIED, ETC.

For Year Ending December 31st, 1939

Name of Railway	Length of Track		Car Miles Run		Passengers Carried		Accidents				Net Earnings	
							Killed		Injured			
	Increase	Decrease	Increase	Decrease	Increase	Decrease	Increase	Decrease	Increase	Decrease	Increase	Decrease
Cornwall Street Railway				10,150		55,826			3		3,567.83	
Fort William Electric Railway				12,202		108,319				2	(a) 9,848.05	
Guelph Railway Commission		† 7.006			101,158					4	a) 10,032.78	
Hamilton Street Railway				63,807		169,231			39		1,733.63	
Huntsville & Lake of Bays Railway					1,892							124.31
International Transit				715	55,904					2	a) 13,510.41	
Kitchener Street Railway			4,828		41,360				5		66.52	
London Street Railway			2,283		18,184		2				(a) 831.88	
Mattagami Railway			1,578		346							(b) 2,981.78
Mount McKay & Kakabeka Falls Ry.			Line operated by City of Fort William under lease.								(a) 867.28	
Niagara Peninsular Railway												1,166.89
Port Arthur Civic Railway				72		129,049		2		1		(b) 7,402.10
Sandwich and Amherstburg Ry.						70,541	1			7		b) 39,445.31
Southern Algoma Railway	In process of organization.											
Sudbury-Copper Cliff Suburban Ry.						40,720						(b) 4,128.19
Thurlow Railway											210.43	
Tillson Spur Line Railway			All rolling stock owned and operated by Canadian National Railway									
Toronto Transportation Commission		1.091	652,469		3,655,214			3	5		13,417.45	
" " " Tp. of York-Weston Ry.			651		115,213					6	(a) 1,627.88	
" " " N. Yonge Railways			587		9,025					2		1,137.15

(a)—Increase in deficit.

(b)—Decrease in deficit.

(†)—Use of tracks discontinued and operations now carried on with Automatic Busses.

TABULATION OF OPERATING COSTS FOR YEAR ENDING DECEMBER 31st, 1939

Name of Railway	General Expenses	Maintenance of Roadbed and Equipment	Maintenance of Equipment	Motive Power	Wages	Damages to Persons and Property	Miscellaneous	Total
Cornwall Street Railway	$ 13,943.36	$ 7,079.24	$ 15,460.30	$ 10,526.52	$ 30,886.96	$ 530.99	$ 1,112.16	$ 79,539.53
Fort William Electric Railway	11,445.49	16,742.90	18,610.53	23,401.95	51,760.40	93.70	4,572.63	126,627.60
Guelph Railway Commission	7,667.16	1,349.33	6,538.73	2,211.05	19,681.27		18,448.73	55,896.27
Hamilton Street Railway	55,497.48	49,971.55	104,337.90	112,853.49	289,925.90	28,100.65	95,579.68	736,266.65
Huntsville & Lake of Bays Railway	154.53	173.80	146.37	7,693.28	11,996.49		5,822.59	39,326.86
Kitchener Street Railway	11,936.10	5,719.05	3,999.50	8,909.88	43,376.73	9.24	4,529.10	78,479.60
London Street Railway	12,985.00	24,909.13	19,822.64	24,896.25	55,200.89	6,262.44	4,578.91	148,655.25
Mattagami Railway	1,570.86	13,909.37	1,490.04		9,090.32		7,283.23	39,343.82
Mount McKay & Kakabeka Falls Ry.	418.95	17.55						436.50
Niagara Peninsular Railway	88.34	2,235.81	1,761.99		2,297.46		1,593.56	7,977.16
Port Arthur Civic Railway	13,667.29	9,414.75	17,722.33	19,999.92	35,768.19		19,591.28	116,163.76
Sandwich Windsor & Amherstburg Ry.	12,490.44	2,931.96	7,940.10	4,434.12	21,494.30	12.03	† 450,914.53	500,217.44
Southern Algoma Railway	In process of organization.							
Thurlow Railway	91.10	4,316.72	1,996.45	1,770.10	2,805.90		613.82	11,594.09
Tillson Spur Line Railway	All rolling stock owned and operated by Canadian National Railway.							
Toronto Transportation Commission	492,547.19	382,483.54	588,625.53	1,019,815.62	2,514,331.67	144,680.87	1,305,692.35	6,448,177.07
" " " Tp. York-Weston Ry	13,024.72	9,107.80	14,455.40	21,576.42			93,323.33	151,487.67
" " " North Yonge Railways	7,527.03	8,726.21	6,361.11	17,794.36			31,904.20	72,312.91

†—Includes $144,872.04 expenses of bus operation.

TABULATION OF CHARGES OTHER THAN OPERATING COSTS FOR YEAR ENDING DECEMBER 31st, 1939

Name of Railway	Interest on Funded Debt	Interest on Unfunded Debt	Taxes	Transfer to Special Accounts	All Charges Other than Operating Costs	Total Expenditure including Operating Costs	Total Expenditure excluding Operating Costs	Total Revenue from all Sources	Net Deficit from Year's Operations	Net Surplus from Year's Operations
Cornwall Street Railway	$ 9,100.00		$ 2,112.53	$ 24,325.89	$ 41,886.92	(a) $96,852.06	(a) $17,561.03	$ 133,534.32		$ 12,356.37
Fort William Electric Railway	34,905.00		222.74	13,792.14	48,919.88	(a) 161,755.34	(a) 35,127.74	124,776.30	$ 50,771.18	
Guelph Railway Commission	13,197.17	Cr. 2,277.60	247.68	20,331.10	31,498.35	(a) 67,063.55	(a) 11,167.28	64,499.49	22,895.13	
Hamilton Street Railway			67,476.15	50,000.00	(b)294,703.81	(a) 803,742.80	(a) 67,476.15	1,047,025.77		16,055.31
Huntsville & Lake of Bays Railway			100.23		100.23	1,131.24	100.23	1,494.63		363.39
International Transit			8,134.56	15,016.71	53,151.27	(a & b) 77,461.42	(a & b) 38,034.56	38,034.16	5,761.97	
Kitchener Street Railway	4,094.73		390.86		20,938.55	99,418.15	20,938.55	103,128.15		3,710.10
London Street Railway	19,321.04		7,485.86	69,510.00	96,316.90	(a) 444,819.99	(a) 26,806.09	497,461.81	16,868.18	
Mattagami Railway			130.27	5,000.00	5,130.27	(a) 39,474.09	(a) 130.27	39,383.73	5,090.36	
Mount McKay & Kakabeka Falls Ry.			235.45	19,663.15	19,898.60	(a) 671.95	(a) 436.50	2,816.63	17,518.47	
Niagara Peninsular Railway			33.25		33.25	8,010.41	33.25	9,387.50		1,377.09
Port Arthur Civic Railway	16,123.71	1,520.09	110.30	7,064.39	25,220.19	(a) 134,319.55	(a) 18,155.79	132,692.25	8,691.69	
Sandwich, Windsor & Amherstburg Ry.	311,276.32		7,129.25	204,959.50	523,748.37	(a) 819,006.25	(a) 318,788.87	651,857.42	372,108.37	
Southern Algoma Railway	In process of organization.									
Sudbury-Copper Cliff Suburban Ry.	1,733.16	3,203.63	546.83	11,350.30	16,833.92	(a) 65,225.00	(a) 5,483.62	70,808.21	5,767.09	
Thurlow Railway			26.71		26.71	10,492.87	26.71	11,765.00		1,272.13
Tillson Spur Line Railway	All rolling stock owned and operated by Canadian National Railway.									
Toronto Transportation Commission	1,257,284.99		267,328.25	3,168,963.44	4,735,996.46	(a)8,015,210.09	(a)6,448,177.07	11,072,593.55		44,944.34
" " Twp. York & Weston Ry.	21,589.99	16,199.33		115,520.04	153,309.36	(a) 189,276.99	(a) 37,789.32	217,993.34	86,803.69	
" " North Yonge Railways		90.51			90.51	72,403.42	90.51	72,942.20		538.78

(a)—Does not include transfer to special accounts.
(b)—Includes dividends.

TABULATION OF ASSETS AND LIABILITIES AS OF DECEMBER 31st, 1939

Name of Railway	Authorized Capital Stock	ASSETS			LIABILITIES				
		Cost of Railway Equipment, Land and Buildings	Cash and other Assets	Deficit	Capital Stock outstanding	Funded Debt and Real Estate	Current Liabilities	Accrued Liabilities Sinking and other Special Funds	Surplus
Cornwall Street Railway	$ 200,000.00	$ 554,543.27	$ 28,602.13		$ 200,000 00	$ 130,000.00	$ 8,427.84	$ 241,698 56	
Fort William Electric Railway		642,000.00	574,166.20	$ 22,977.17		642,000.00	24,077.35	573,066.02	
Guelph Railway Commission		70,613 82	265,594.51	2,522.53		253,000.00	7,307.09	77,923.82	
Hamilton Street Railway	3,205,000.00	4,268,271.18	376,874.85		3,205,000.00		125,038 68	1,234,807.87	$ 80,299 48
Huntsville & Lake of Bays Railway	50,000 00	33,331.20	11,952.12		27,800.00		2,021.18	13,098 75	363.39
International Transit	150,000.00	635,579.78	12,989.11		150,000.00		6,596.17	338,437.23	153,595 45
Kitchener Street Railway		513,995.67	34,273.74	4,939.96		64,299 47	761.98	488,147.92	
London Street Railway	250,000.00	1,023,172 19	90,552.79	217,679.37	637,480.00	385,000.00	43,198.72	265,725 63	
Mattagami Railway	250,000.00	242,523.30	180,722.08		250,000 00		3,608 81	15,030 00	154,606 57
Mount McKay & Kakabeka Falls Ry.	386,000.00	72,387.97	7,539.96	328,774 84	386,000.00			22,402.77	
Niagara Peninsular Railway	50,000.00	55,550 88	119,362.85		50,000.00				124,913 73
Port Arthur Civic Railway		410,940.69	463,646.06	26,090.98		357,350.00	98,910 41	441,117 32	
Sandwich-Windsor & Amherstburg Ry.		492,245.08	7,843,609 91	32,619 81		6,816,205.00	764,496.45	787,773.35	
Southern Algoma Railway	In process of organization.								
Sudbury-Copper Cliff Suburban Railway	250,000.00	359,660.80	1,579 56	59,018 62	173,100.00	56,358 89	5,423.29	158,406.80	
Thurlow Railway	50,000 00	58,211 42		50,946.43	25,000.00		84,157.85		
Tillson Spur Line Railway	20,000.00	All rolling stock owned and operated by Canadian National Railway.							
Toronto Transportation Commission		51,607,632.68	6,233,522.64			21,032,555.25	588,061.28	35,624,036 95	596,501 84
" " " Twp. York & Western Ry.		1,393,256 10	830,772 92	86,803 69		994,193 15	708,547.34	608,092.22	
" " " North Yonge Ry.		107,519 10	1,101.35				108,111.67		538 78

INDEX

A

Page

Abstract and Summary of Applications to Board 19 et seq.
Accidents, Reports of, on Railways 12
Accidents, Reports of, on Railways, Form for 152
Accidents, Summary of, on lines in City of Hamilton, 1939 149
Accidents, Summary of, on lines in City of London, 1939 150
Accidents, Summary of, on lines in City of Toronto, 1939 148
Accidents, Tabulated Summary of Reports of 150
Amendments of Board's Orders 88
Annexations 14 and 120
Applications to Board:
  Amendments of Board's Orders—Sec. 49 of "The Ontario Municipal Board Act" 88
  Annexations 14 and 120
  Approval of Municipal By-laws under Sec. 59 (c) of "The Ontario Municipal Board Act" 15, 88 and 125
  Arbitrations 10, 14 and 20
  Assessment Appeals 12, 15, 29 and 120
  Bridges, construction of—Sec. 307 (3) of "The Municipal Act" 88
  Detachment of Farm Lands from Town or Village—Sec. 21 "The Municipal Act" 15, 67 and 121
  Direct Relief—"The Unemployment Relief Act (Ontario) 1935" 11, 69 and 88
  Extension of Municipal Utilities — Sec. 407 (2) of "The Municipal Act" 11, 88 and 114
  Extension of Debenture issue period—Sec. 205 (11) and (12) of "The Municipal Act" 15, 88 and 122
  Extension of Time to pass Municipal By-laws—Sec. 297 (5) of "The Municipal Act" 12, 88 and 122
  Floating Indebtedness—Sec. 59 (d) of Part IV of "The Ontario Municipal Board Act" 11, 15 and 88
  Franchises, Municipal—Certificates of Public Convenience and Necessity—Sec. 8 of "The Municipal Franchises Act" 12, 15 and 75
  Highways, Deferred Widening of—Sec. 348 of "The Municipal Act" 15 and 123
  Highways, Department of, Claims Against 15 and 123
  Highways, Narrow—Sec. 490 (2) of "The Municipal Act" 15, 88 and 123
  Increased Borrowings by Municipalities — Sec.. 339 (2) of "The Municipal Act" 15 and 123
  Interest Decrease—Sec. 310 of "The Municipal Act" 15 and 88
  Land Subdivision Plans, Approval of 12 and 126
  Lanes, Opening and Paving of—Sec. 29 (3) of "The Local Improvement Act" 88
  Legislation, Special 15, 88 and 124
  License Fee—Sec. 420 (11) of "The Municipal Act" 15 and 124
  Local Improvements—Apportionment of Cost—Sec. 27 (3) of "The Local Improvement Act" 15 and 125
  Local Improvements—Part only of Work—Sec. 18 of "The Local Improvement Act" 15 and 125
  Miscellaneous Matters 14 and 120 et seq.
  Parks, setting aside part of for athletic purposes—Sec. 12 of "The Public Parks Act" 15 and 125
  Plans of Land Subdivisions under "The Land Titles Act" "The Planning and Development Act" and "The Registry Act" 12, 74 and 126
  Railways, Provincial, Orders respecting 12 and 137
  Referee—Appointment of—Sec. 16 of "The Public Schools Act" 15 and 134
  Repeal of Money By-laws as to residue not raised—Sec. 311 of "The Municipal Act" 15 and 88
  Restricted Areas, Establishment of—Sec. 406 of "The Municipal Act" 11, 15 and 129

Restricted Areas, Repeal or Amendment of—Sec. 406 (2b) of "The Municipal Act" 11, 15, 87 and 130
Retirement of unmatured debentures—Sec. 59 (dd) of "The Ontario Municipal Board Act" 11, 15 and 88
Sinking Funds, Approval of Investment of—Sec. 326 of "The Municipal Act" 16 and 135
Sinking Funds—authority to dispense with Further Levy for Sec. 321 (b) of "The Municipal Act" 16, 70 and 135
Supervised Municipalities—Supervision by Dept. of Municipal Affairs—Part III of "The Department of Municipal Affairs Act" 16 and 120
Supervised Municipalities—Variation in times of payment of Local Improvement rates—Sec. 32 (h) of "The Department of Municipal Affairs Act" 16 and 120
Tax Rate—Sec. 315 (2) of "The Municipal Act" 16, 88 and 136
Telephone Systems 17 and 138 et seq.
Telephone Systems—Agreements with Bell Telephone Co. of Canada 144 and 145
Truck Licenses and Public Commercial Vehicle licenses 13 and 63
Undertaking of Capital Expenditures, Approval of—Sec. 70 of "The Ontario Municipal Board Act" 10, 63 & 88 et seq.
Validation of Municipal Debentures—Part IV of "The Ontario Municipal Board Act" 12, 88 and 115
Vote of Electors, Applications to dispense with—Sec. 69 of "The Ontario Municipal Board Act" 16 and 88
Wards, Division of Cities into — Sec. 44 of "The Municipal Act." 16 and 137
War Memorials and Patriotic Objects—erection in narrow highways—Sec. 404 (30) of "The Municipal Act" 16 and 125
Works ordered by the Dominion Railway Commission and Ontario Municipal Board—Sec. 307 (3f) of "The Municipal Act" 16, 88 and 137
Works under Unemployment Relief Act 88
Approval of By-laws respecting Municipal Utilities 11, 88 and 114
Approval of Ratepayers 10, 16 and 88
Arbitrations 10, 14 and 20
Assessment Appeals 12, 15, 29 and 120

B

Bell Telephone Co. of Canada—List of Agreements with 144 and 145
Board Act, Ontario Municipal 9
Board, Abstract and Summary of Applications to 19 et seq.
Board, Applications to 9
Board, Ontario Municipal—Organization of 5
Board, Orders of 88 et seq.
Board, Revenue of 9
Board, Sittings of 9
Borrowings by Municipalities, increased 15 and 123
Bridges, construction of 88
By-laws, Capital Expenditure, undertaking of 10, 63 & 88 et seq.
" Detachment of Farm Lands from Town or Village 15, 67 and 121
" Extension of Municipal Utilities 11, 88 and 114
" Extension of Debenture issue period 15, 88 and 115
" Extension of Time to Pass 15, 88 and 122
" Floating Indebtedness 9, 11, 15 and 88
" Highways, Narrow 15 and 123
" Interest Decrease 15 and 88
" Local Improvements—Apportionment of cost 15 and 125
" Local Improvements—Approval of undertaking of 15 and 125
" Local Improvements—Part only of work 15 and 125
" Municipal, Approval of under Sec. 59 (c) of "The Ontario Municipal Board Act" 15, 88 and 125
" Referee—Appointment of re amalgamation of school sections 15 and 124
" Repeal of Money—as to residue not raised 15 and 88
" Restricted Areas, Establishment of 11, 15 and 129
" Restricted Areas, Repeal or Amendment of 11, 15 and 130

" Sinking Funds, Approval of Investment of 16 and 135
" Tax Rate 16, 88 and 136
" Validation of 12, 88 and 115
" Weigh Scales and weighing of coal etc. 16 and 137
" Works ordered by Dominion Railway Commission and Ontario Municipal Board 16 and 137

C

Capital Expenditure, approval of undertaking of 10, 63 & 88 et seq.
Car Steps, Height of—See "Railways"
Cars (Passenger), re Drinking Water on — See "Railways"

D

Debentures, Municipal—Decrease in rate of interest on 15 and 88
Debentures, Municipal—Retirement of unmatured 11, 15 and 88
Debentures, Municipal—Validation of 12, 88 and 115
Detachment of Farm Lands from Town or Village 15 and 121
Direct Relief—"Unemployment Relief Act (Ontario) 1935" 11 and 88
Dominion Railway Commission and Ontario Municipal Board—Works ordered by 16, 88 and 137
Drinking Water on passenger cars—Regulations respecting 153

E

Electric, and Steam Railways under Provincial Jurisdiction, 1939 146 et seq.
Examination of Motormen, Form of Certificate for 152
Extension of debenture issue period—Municipal By-laws 15, 88 and 122
Extension of time to pass Municipal By-laws 15, 88 and 122
Extension and improvements to Provincial Railways 146 et seq.

F

Form of certificate for examination of Motormen 152
Form of Reports of Accidents on Railways 152
Form for distribution to parties interested 13
Franchises, "The Municipal Act," applications under 12, 15 and 75
Funds, Sinking, Approval of By-laws for investment of 16 and 135

H

Hamilton Street Railway—Summary of Accidents 1939 on lines of 149
Height of Car Steps—Regulations respecting 153
Highways—Deferred widening of 15 and 123
Highways (Narrow) 15 and 123
Highways, Department of (Ontario) Claims against 15 and 123

I

Increased Borrowings by Municipalities 15 and 123
Indebtedness, Floating (re issue of debentures to take care of) 11, 15 and 88
Index to Railway Legislation 151
Inspector of Telephone Service—Report of 17
Interest, Decrease By-laws, approval of 15 and 88

J

Jurisdiction of Board, Miscellaneous Matters under 14 and 120 et seq.

L

Lanes,, Assessment of properties for opening of 88
Land Subdivision Plans, Approval of 12, 14 and 126
"Land Titles Act" Approval of Plans under 12 and 126

Legislation, Railway, Index to 151
License Fee, Applications under Section 420 (11) of "The Municipal Act" 15 and 124
Licenses, Truck and Public Commercial Vehicles 13 and 63
Local Improvements, Apportionment of Cost of 15 and 125
Local Improvements, Approval of Undertaking of 15, 88 and 125
Local Improvements, Part only or Work 15 and 125
London, City of—Summary of Accidents 1939 on lines in 150
London Street Railway—Summary of Accidents 1939 on lines of 150

M

Miscellaneous Matters under Board's jurisdiction 14 and 120 et seq.
Money By-laws, repeal of as to residue not raised 15 and 88
Motormen, Form of Certificate for examination of 152
"Municipal Board Act, The Ontario" 9
Municipal By-laws—approval of under Sec. 59 (c) of "The Ontario Municipal Board Act" 15, 88 and 125
Municipal Debentures—Retirement of unmatured 11, 15 and 88
Municipal Debentures—Validation of 12, 88 and 115
Municipalities, Increased borrowings by 15 and 123

N

Narrow Highways, Approval of By-laws for 15 and 123

O

Ontario Department of Public Highways—See "Highways, (Public) Department of"
Ontario Municipal Board and Dominion Railway Commission, Works Ordered by 16 and 137
Orders of the Board 88 et seq.
Organization of the Ontario Municipal Board 5

P

Parks, setting aside part of for athletic purposes 15 and 125
"Planning and Development Act, The", Approval of Plans under 12, 74 and 126
Plans, (land subdivisions) approval of 12, 74 and 126
Provincial Railways—see "Railways"
Public Commercial Vehicles—Licenses 13 and 63
Public Highways of Ontario, Department of—See "Highways"
Public Utilities—See "Utilities"

R

Railway Legislation, Index to 151
Railways, Provincial 12 and 146 et seq.
Railways, Provincial, Accident Reports 12 and 148-150
Railways, Provincial Form for use of accident reports 152
Railways, Provincial, Accidents Reports, Tabulated Summary of 148-150
Railways, Provincial, Summary of accidents on lines in City of Hamilton 149
Railways, Provincial, Summary of accidents on lines in City of London 150
Railways, Provincial, Summary of accidents on lines in City of Toronto 148
Railways, Provincial, Electric and Steam under Provincial jurisdiction 146 et seq.
Railways, Provincial, Examination of Motormen, Forms of certificate for 152
Railways, Provincial, Extensions and Improvements to, Summary of 146 et seq.
Railways, Provincial, Orders respecting 12 and 137
Railways, Provincial, Regulations re drinking water on passenger cars 153

Railways, Provincial, Regulations re height of car steps 153
Railways, Provincial, Returns by 12
Railways, Provincial, Returns by, Summaries of 156 et seq.
Ratepayers—approval of 10, 16 and 88
Referee—appointment of re amalgamation of school sections 15 and 134
"Registry Act," approval of Plans under 12 and 126
Regulations re Drinking Water on Passenger Cars 153
Regulations as to Height of Car Steps 153
"Relief Act (Ontario), 1935 Unemployment" Direct Relief 11 and 88
Repeal of Money By-laws as to residue not raised 15 and 88
Report of Accidents on Railways 12 and 148-150
Reports of Accidents on Railways, Form to be used 152
Reports of Accidents on Railways, Tabulated Summary of 148-150
Reports on Examination of Motormen—Form for 152
Report of the Inspector of Telephone Service 17
Restricted Areas, Approval of By-laws establishing 11, 15 and 129
Restricted Areas, Repeal or Amendment of 11, 15, 87 and 130
Retirement of Municipal unmatured debentures 11, 15 and 88

S

Sinking Funds—Approval of By-laws for Investment of 16 and 135
Sinking Funds—Authority to dispense with further levy for 16, 70 and 135
Sittings of the Board 9
Special Legislation 15, 88 and 124
Subdivision Plans (Land) Approval of 12 and 126
Supervised Municipalities — Approval of Refunding Plans 11, 16 and 121
Systems—Telephone-Agreements with Bell Telephone Co. of Canada 144 and 145
Systems—Telephone, Applications respecting
Supervised Municipalities—Appeals to Board 16
Supervised Municipalities—Supervision by Department of Municipal Affairs 16 and 120
Supervised Municipalities—variation in times of payment of Local Improvement rates 16 and 120
Systems—Telephones—Report of Inspector respecting 17

T

Tax Rate—Approval Further Debt where Rate is too high 16, 88 and 136
Telephone Systems — Agreements with Bell Telephone Co. of Canada 144 and 145
Telephone Systems—List of Applications respecting 17 and 138 et seq.
Telephone Systems—Report of Inspector re 17
Toronto, City of Summary of Accident on Lines in 148
Truck Licenses and Public Commercial Vehicle Licenses 13 and 63

U

Undertaking of Capital Expenditures—Approval of 10, 63, 88 et seq.
"Unemployment Relief Act (Ontario), 1935", Direct Relief 11 and 88
Unemployment Relief Act—Works under 88 and 136
Utilities (Municipal), Extensions of 11, 88 and 114

V

Validation of Municipal Debentures 12, 88 and 115
Vote of Electors—Applications to dispense with 16 and 88

W

War Memorials—Erection in narrow highways 16 and 125
Wards—Division of Cities into 16 and 137
Weigh Scales and weighing of coal, etc. 16 and 137
Works ordered by Dominion Railway Commission and the Ontario Municipal Board 16, 88 and 137

393476
Gov.Doc. Ontario. Legislative Assembly
Ont Sessional papers.
L Vol.72, pt.4 (1940)

NAME OF BORROWER.

DATE.

University of Toronto
Library

DO NOT
REMOVE
THE
CARD
FROM
THIS
POCKET

Acme Library Card Pocket
LOWE-MARTIN CO. LIMITED